New Jersey Agriculture 1983

THOMAS H. KEAN,
Governor

ARTHUR R. BROWN, JR.
Secretary of Agriculture

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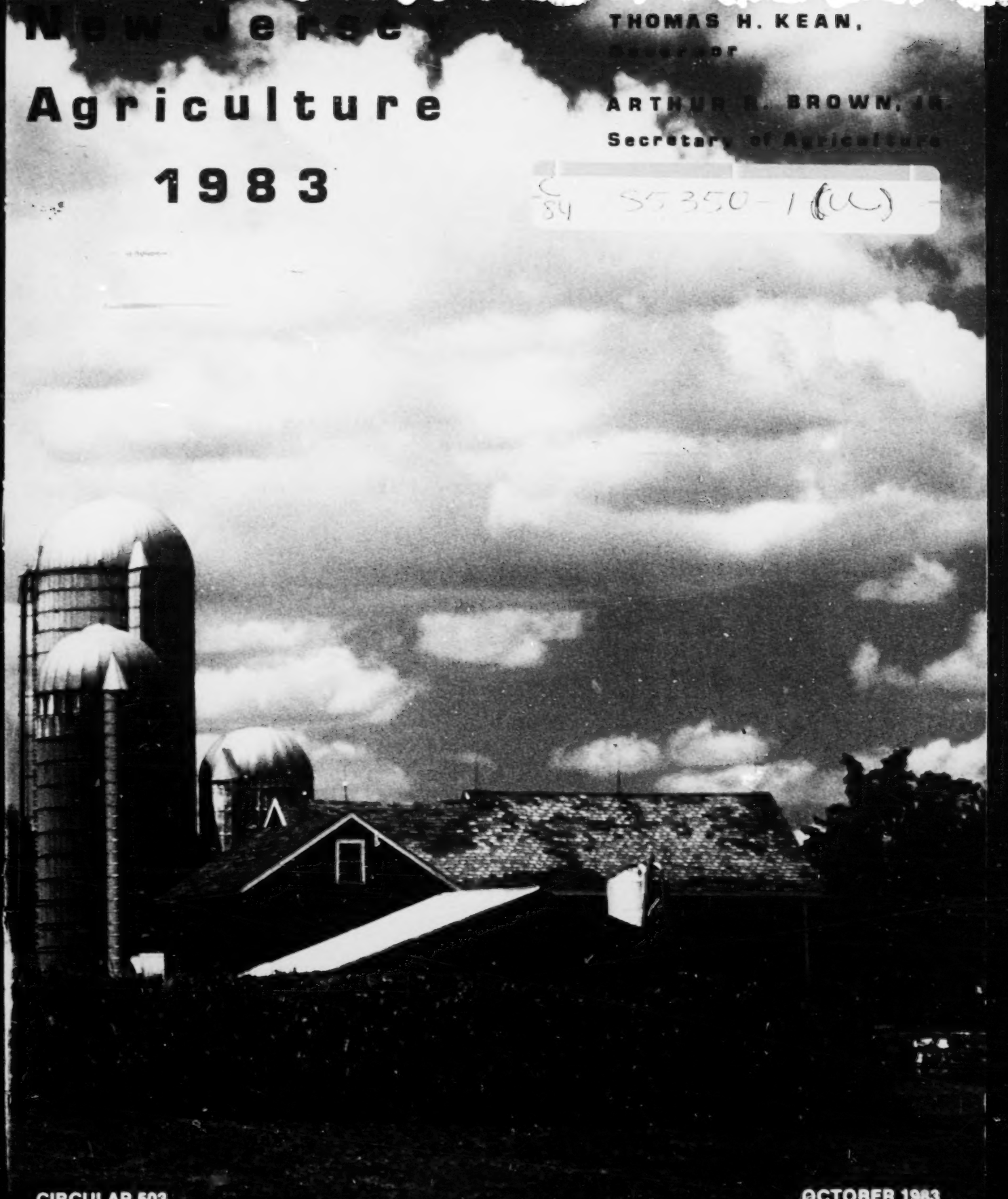

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MESSAGE FROM THE GOVERNOR

Agriculture and its related industries represent a major segment of New Jersey's economy. The vitality of Garden State agriculture has a significant impact on the state and all of its residents. The Agricultural Statistics and Highlights of the 1982-83 Annual Report of the New Jersey Department of Agriculture provides up-to-date detailed information on the state's current agricultural climate, while offering readers an overview of the state Department of Agriculture's efforts on behalf of the farm community.

The local source of fresh farm products and the taxed open space provided by New Jersey farms benefit all of us.

Farming in New Jersey -- the most densely populated state in the nation -- requires dedication and hard work.

The task of farming in an urbanized environment is a challenging one, deserving the respect and admiration of all Garden State residents.

It is the farmer that truly keeps the "garden" in the Garden State. This publication documents the contribution of an important state industry and the farmers who work it.

Thomas H. Kean
Governor
State of New Jersey

MESSAGE FROM
THE
SECRETARY OF AGRICULTURE

This year, two of the Department of Agriculture's major yearly reports -- Agricultural Statistics and Highlights of the Annual Report -- have been combined, providing the reader with a complete up-to-date review of the New Jersey agricultural industry in a convenient format.

The 1983 edition of Agricultural Statistics offers a detailed and accurate summary of the Garden State's farm industry. It provides the farmer and non-farmer with data that measures the important contribution of agriculture to the state's economy.

The "highlights" are designed to offer the reader a brief review of the past year's programs and activities of the state Department of Agriculture for the fiscal year beginning July 1, 1982 and ending June 30, 1983. Persons interested in a more detailed account will find the complete annual report on file in the Department's offices in the Health-Agriculture Building, John Fitch Plaza, Trenton. The full report will be available for inspection upon request.

Each year, a high risk business such as agriculture presents a different set of obstacles that the farmer, and consequently the Department, must confront. The information supplied in this publication can be a valuable resource when decisions must be made regarding what crops to plant, the number of livestock replacements to purchase and credit needs. This year, the publication also provides information on the Department's efforts to assist the farm community in meeting the challenges.

The summary is the cooperative effort of the New Jersey Department of Agriculture and the Statistical Reporting Service of the U.S. Department of Agriculture. It was compiled with the assistance and support of farmers and other agriculturalists who I would like to thank for voluntarily providing the data that made this report possible. Accurate, voluntary reports are of great service to the New Jersey agriculture industry.

Arthur R. Brown, Jr.
Secretary of Agriculture

COMPILED BY
NEW JERSEY CROP REPORTING SERVICE
NEW JERSEY DEPARTMENT OF AGRICULTURE
IN COOPERATION WITH
UNITED STATES DEPARTMENT OF AGRICULTURE

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ACKNOWLEDGMENT

This publication is the result of the continued cooperative assistance of New Jersey farmers, county agents and many agri-business people. We wish to express our thanks to all who have voluntarily submitted the basic data on the many phases of Agriculture in the Garden State, without this data and combined efforts of the New Jersey Department of Agriculture and the Statistical Reporting Service of the United States Department of Agriculture, this publication would not be possible.

The staff of the New Jersey Crop Reporting Service was responsible for assembling of data and other preparation of this report for the printer. Thomas Gregory, Assistant Statistician in Charge, directed bulletin preparation. Compilation of tabular material was under the supervision of Helen Chianese and Holly Hodge. Layout, typing and design was performed by Marion Leary and Sherri Zeitlin. Weather data was supplied by Keith Arnesen, Agricultural Meteorologist. The Highlights of New Jersey Department of Agriculture were compiled by Pat Quinn. The assistance of all is greatly appreciated.

As you review this report, please feel free to suggest any changes you believe would improve its future usefulness.

James R. Gibson

James R Gibson
Statistician in Charge

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			NEW JERSEY COUNTIES		
Field crop production:					
Corn for grain	Warren	Hunterdon	Burlington	Salem	Monmouth
Wheat for grain	Monmouth	Salem	Cumberland	Mercer	Burlington
Barley for grain	Burlington	Salem	Monmouth	Cumberland	Mercer
All hay	Hunterdon	Warren	Sussex	Cumberland	Burlington
Soybeans for beans	Salem	Burlington	Cumberland	Monmouth	Gloucester
Potatoes	Middlesex	Cumberland	Monmouth	Salem	Atlantic
Sweet potatoes	Atlantic	Gloucester	Cumberland	Salem	Camden
Vegetable acreage harvested:					
Asparagus	Gloucester	Salem	Cumberland	Burlington	Camden
Cabbage	Cumberland	Monmouth	Atlantic	Salem	Gloucester
Lettuce	Cumberland	Atlantic	Salem	Gloucester	Warren & Monmouth
Onions, dry	Cumberland	Warren & Salem	- - -	- - -	- - -
Peppers	Gloucester	Salem	Cumberland	Atlantic	Monmouth
Sweet corn	Burlington	Monmouth	Gloucester	Warren	Atlantic & Camden
Tomatoes	Gloucester & Salem	Cumberland	Monmouth	Burlington	Atlantic
Fruits and berries:					
Apples, com'l production	Gloucester	Burlington	Monmouth	Camden	Atlantic
Peach production	Gloucester	Atlantic	Cumberland	Burlington	Camden
Blueberry production	Atlantic	Burlington	- - -	- - -	- - -
Strawberry acreage	Cumberland	Burlington, Camden & Gloucester	Monmouth	- - -	- - -
Certified nurseries:					
Nursery stock acreage	Monmouth	Gloucester	Middlesex	Cumberland	Hunterdon
Number of nurseries	Monmouth	Bergen	Cumberland	Gloucester	Burlington
Livestock and products:					
Milk production	Warren	Sussex	Salem	Hunterdon	Burlington
Number all cattle 1/	Warren	Hunterdon	Salem	Sussex	Burlington
Number sheep and lambs 1/	Hunterdon	Sussex	Somerset	Warren	Mercer & Burlington
Number hogs and pigs	Gloucester	Burlington	Cumberland, Salem & Ocean	Hunterdon	Sussex
			UNITED STATES		
Crops:					
Tomatoes, Fresh Market	Florida	California	South Carolina	NEW JERSEY	Virginia
Tomatoes, processing	California	Ohio	Michigan	Indiana	NEW JERSEY
Peaches	California	South Carolina	Georgia	Pennsylvania	NEW JERSEY
Cranberries	Massachusetts	Wisconsin	NEW JERSEY	Washington	Oregon
Potatoes, Summer	California	Virginia	Colorado	NEW JERSEY	Minnesota
Other:					
Taxes per acre 2/	Rhode Island	NEW JERSEY	Massachusetts	Michigan	Connecticut
Average value of farmland and buildings per acre 3/	NEW JERSEY	Rhode Island	Connecticut	Maryland	California

1/ Data relate to January 1, 1983.
2/ Data relate to 1981.
3/ Data relate to 1983.

Crop	Unit	Acres harvested	Yield per acre	Production (thousands)	Season ave. price per unit (dol.)	Value	
						Total (thou. dol.)	Per acre (dollars)
FIELD CROPS:							
Corn for grain	Bu.	125,000	99.0	12,375	2.61	32,299	258
Wheat	Bu.	56,000	42.0	2,352	3.27	7,691	137
Oats	Bu.	7,000	55.0	385	2.20	847	121
Barley	Bu.	17,000	61.0	1,037	2.02	2,095	123
Rye	Bu.	9,000	29.0	261	3.89	1,015	113
Soybeans for beans	Bu.	168,000	29.0	4,872	5.96	29,037	173
Total above crops	Ton	382,000	--.-	601.6	--.--	72,984	191
Alfalfa hay	Ton	40,000	3.40	136	--.--	--.--	--.--
Other hay	Ton	70,000	2.00	140	--.--	--.--	--.--
All hay	Ton	110,000	2.51	276	99.00	25,944	236
Corn for silage	Ton	42,000	15.0	630	20.76	13,079	311
Potatoes	Cwt.	8,100	255	2,066	7.00	14,462	1,785
Sweet potatoes	Cwt.	2,500	110	275	16.10	4,428	1,771
TOTAL FIELD CROPS	Ton	544,600	--.-	1,624.6	--.--	130,897	--.--
FRUIT CROPS:							
Apples	Lb.	--.--	--.--	95,000 1/	.1300	12,330	--.--
Peaches	Lb.	--.--	--.--	90,000 1/	.2390	21,488	--.--
Blueberries	Lb.	7,800 2/	3,590	28,000 1/	.650	18,200	2,333
Cranberries	Cwt.	2,900 2/	78.6	228 1/	41.60	9,485	3,271
Strawberries	Cwt.	900 2/	48	43	68.60	2,950	3,278
TOTAL FRUIT CROPS	Ton	--.--	--.--	120.1	--.--	64,453	--.--
VEGETABLES FOR FRESH MARKET:							
Asparagus, Jan.-June 3/	Cwt.	1,500	19	29	78.50	2,277	1,518
Snap beans, Jan.-June	Cwt.	1,000	40	40	21.80	872	872
July-Dec.	Cwt.	3,800	52	198	26.70	5,287	1,391
Cabbage, Jan.-June	Cwt.	700	220	154	6.76	1,041	1,487
July-Dec.	Cwt.	2,700	260	702	6.89	4,837	1,791
Sweet corn, July-Dec.	Cwt.	10,100	78	788	12.40	9,771	967
Cucumbers, July-Dec.	Cwt.	1,700	155	264	14.70	3,881	2,283
Eggplant, July-Dec.	Cwt.	1,100	190	209	15.10	3,156	2,869
Escarole, Jan.-June	Cwt.	450	200	90	17.20	1,548	3,440
July-Dec.	Cwt.	700	190	133	19.30	2,567	3,667
Lettuce, Jan.-June	Cwt.	1,200	195	234	10.30	2,410	2,008
July-Dec.	Cwt.	1,700	240	408	12.10	4,937	2,904
Onions, late crop 3/	Cwt.	650	160	104	15.40	1,602	2,465
Peppers, July-Dec. 3/	Cwt.	6,500	65	423	18.20	7,685	1,182
Spinach, Jan.-June	Cwt.	1,200	70	84	18.90	1,588	1,323
July-Dec.	Cwt.	700	75	53	29.20	1,548	2,211
Tomatoes, July-Dec.	Cwt.	6,600	105	693	29.70	20,582	3,118
Total - 12 market crops	Cwt.	42,300	109	4,606	16.41	75,589	1,787
VEGETABLES FOR PROCESSING:							
Tomatoes	Ton	5,400	17.96	97.0	86.60	8,398	1,555
Cucumbers	Ton	1,100	9.51	10.5	165.00	1,726	1,569
Snap beans	Ton	7,400	2.77	20.5	205.00	4,203	568
Total - processing crops	Ton	13,900	9.21	128.0	111.93	14,327	1,031
TOTAL VEGETABLES	Ton	56,200	6.38	358.3	250.95	89,916	1,600
TOTAL ALL CROPS	Ton	600,800	--.--	2,103.0	--.--	285,266	--.--

1/ Utilized production.
2/ Not included in all crops total.
3/ Includes both fresh market and processing.

Crop	Unit	Acres harvested	Yield per acre	Production (thousands)	Season ave. price per unit (dol.)	Value	
						Total (thou. dol.)	Per acre (dollars)
FIELD CROPS:							
Corn for grain	Bu.	112,000	102.0	11,424	2.60	29,702	265
Wheat	Bu.	48,000	41.0	1,968	3.15	6,199	129
Oats	Bu.	6,000	56.0	336	1.90	638	106
Barley	Bu.	20,000	63.0	1,260	1.75	2,205	110
Rye	Bu.	11,000	29.0	319	2.80	686	62
Soybeans for beans	Bu.	170,000	25.0	4,250	5.45	23,163	136
Total above crops	Ton	367,000	--	551.0	--	62,593	170
Alfalfa hay	Ton	42,000	4.00	168	--	--	--
Other hay	Ton	62,000	2.30	143	--	--	--
All hay	Ton	104,000	2.99	311	97.50	30,323	292
Corn for silage	Ton	38,000	14.3	543	20.50	11,132	293
Potatoes	Cwt.	7,900	260	2,054	5.10	10,475	1,326
Sweet potatoes	Cwt.	2,900	110	319	13.40	4,275	1,474
TOTAL FIELD CROPS	Ton	623,800	--	1,523.6	--	118,798	--
FRUIT CROPS:							
Apples	Lb.	--	--	140,000 1/	.1030	14,448	--
Peaches	Lb.	--	--	80,000 1/	.2760	22,084	--
Blueberries	Lb.	7,500 2/	4,000	30,000 1/	.712	21,360	2,848
Cranberries	Cwt.	3,000 2/	98.3	295 1/	46.50	13,718	4,573
Strawberries	Cwt.	1,000 2/	49	49	52.30	2,563	2,563
TOTAL FRUIT CROPS	Ton	11,500	--	142.2	--	74,173	--
VEGETABLES FOR FRESH MARKET:							
Asparagus, Jan.-June 3/	Cwt.	1,500	21	32	82.40	2,637	1,758
Snap beans, Jan.-June	Cwt.	800	38	30	33.20	996	1,245
July-Dec.	Cwt.	4,400	45	198	22.90	4,534	1,030
Cabbage, Jan.-June	Cwt.	500	240	120	13.40	1,608	3,216
July-Dec.	Cwt.	2,700	270	729	7.50	5,468	2,025
Sweet corn, July-Dec.	Cwt.	9,600	74	710	12.30	8,733	910
Cucumbers, July-Dec.	Cwt.	1,800	160	288	17.10	4,925	2,736
Eggplant, July-Dec.	Cwt.	1,100	180	198	13.60	2,693	2,448
Escarole, Jan.-June	Cwt.	300	150	45	24.00	1,080	3,600
July-Dec.	Cwt.	650	185	120	15.00	1,800	2,769
Lettuce, Jan.-June	Cwt.	1,600	150	240	11.30	2,712	1,695
July-Dec.	Cwt.	1,300	260	338	10.50	3,549	2,730
Onions, late crop 3/	Cwt.	600	150	90	11.00	990	1,650
Peppers, July-Dec. 3/	Cwt.	6,600	75	495	21.50	10,643	1,613
Spinach, Jan.-June	Cwt.	1,200	72	86	27.80	2,391	1,993
July-Dec.	Cwt.	700	90	63	23.40	1,474	2,106
Tomatoes, July-Dec.	Cwt.	6,600	120	792	31.80	25,186	3,816
Total - 12 market crops	Cwt.	41,950	109	4,574	17.74	81,419	1,941
VEGETABLES FOR PROCESSING:							
Tomatoes	Ton	5,600	19.07	106.8	87.40	9,333	1,667
Cucumbers 4/	Ton	--	--	--	--	--	--
Snap beans	Ton	9,300	2.66	24.7	202.00	4,997	537
Total - processing crops	Ton	14,900	8.83	131.5	108.97	14,330	962
TOTAL VEGETABLES	Ton	56,850	6.34	360.2	265.10	95,749	1,684
TOTAL ALL CROPS	Ton	576,650	--	2,026.0	--	288,720	--

1/ Utilized production.
2/ Not included in all crops total.
3/ Includes both fresh market and processing amounts.
4/ Estimates discontinued after 1981.

Weather conditions during the 1982 growing season averaged near normal with precipitation slightly above normal the first half and below normal the latter half of the season. With the exception of May, monthly temperatures averaged slightly below normal. Field corn for grain yields reached a new record high for New Jersey. Oats, barley and hay yields were above 1981.

The 1982 wheat crop declined to 1,968,000 bushels, down 16 percent from the 1981 record high crop of 2,352,000 bushels. Acres harvested dropped to 48,000, off 8,000 from a year earlier. The 41.0 bushel yield was 1 bushel per acre less than 1981. Value of production amounted to $6.1 million, down 21 percent from 1981.

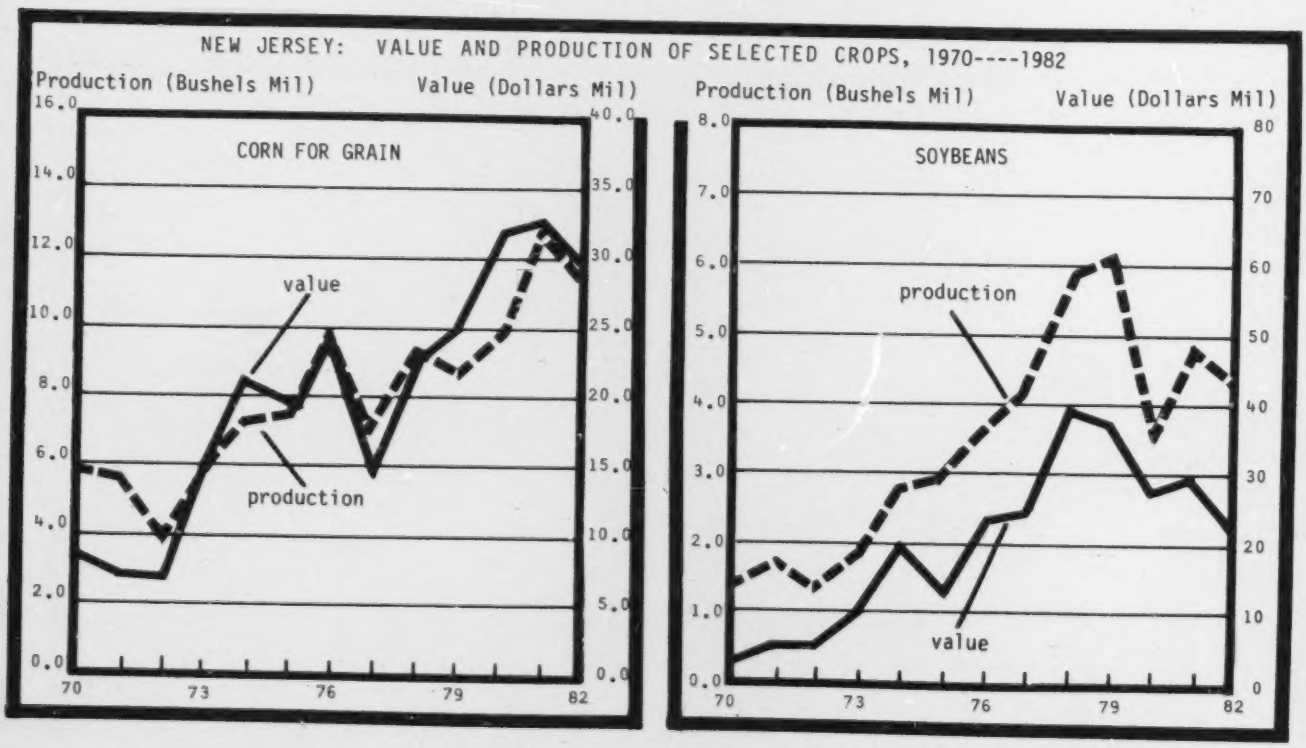
Corn production for grain totaled 11,424,000 bushels, 8 percent less than the 1981 record high crop of 12,375,000 bushels. Yield per acre, at 102 bushels was a record high for New Jersey. Acreage harvested for grain declined 10 percent to 112,000 acres. The season average price declined to $2.60, down 1 cent per bushel from the average price in 1981. Value of production decreased to $29.7 million, down 8 percent from the 1981 record high. Corn silage production amounted to 543,000 tons, 14 percent less than 1981. Acreage harvested dropped to 38,000, off 4,000 acres from the previous year. Yield average 14.3 tons per acre compared with 15.0 tons in 1981. Value of silage production declined to $11.1 million, down 15 percent from 1981. Average price was down 26 cents to $20.50 per ton.

Garden State soybean production in 1982 totaled 4.3 million bushels, 13 percent less than in 1981. Harvested acres increased to 170,000, up 2,000 acres from a year earlier. Yield at 25.0 bushels per acre was down 4 bushels from 1981. Average price per bushel declined 66 cents from 1981 to an average of $5.30 in 1982. Value of production at $22.5 million was 22 percent below last year's crop.

White potato production in New Jersey totaled 2,054,000 hundredweight in 1982, down 1 percent from the 2,066,000 hundredweight harvested in 1981. Acres harvested at 7,900 was down 200 acres from a year earlier. Yield per acre at 260 hundredweight was up 5 hundredweight from 1981. The season average price decreased $1.90 to $5.10 per hundredweight causing the value of production to fall to $10,475,000, down 28 percent from the previous year.

Sweetpotato production amounted to 319,000 hundredweight, up 16 percent from 1981. Acres harvested at 2,900 was up 400 acres from the previous year. Yield at 110 hundredweight was unchanged from 1981. Price per hundredweight dropped to $13.40, down $2.70 from 1981. Value of production declined to $4.3 million, off 3 percent from the previous year.

All hay production totaled 311,000 tons, 13 percent above 1981. Acreage harvested decreased 6,000 acres to 104,000 acres while yield rose to 2.99 tons per acre compared to 2.51 in 1981. The season average price per ton was $96.50, up 3 percent from the previous year. Value of production increased to $30.0 million, up 16 percent from 1981.

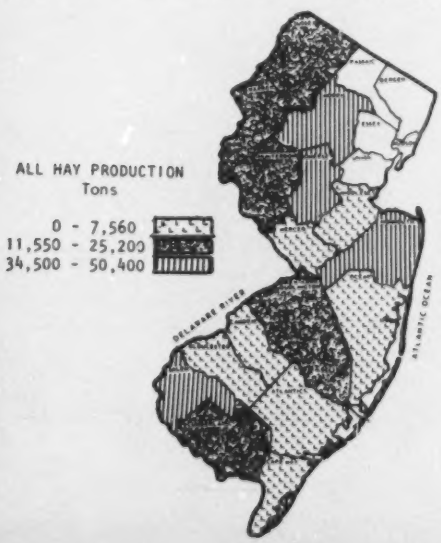


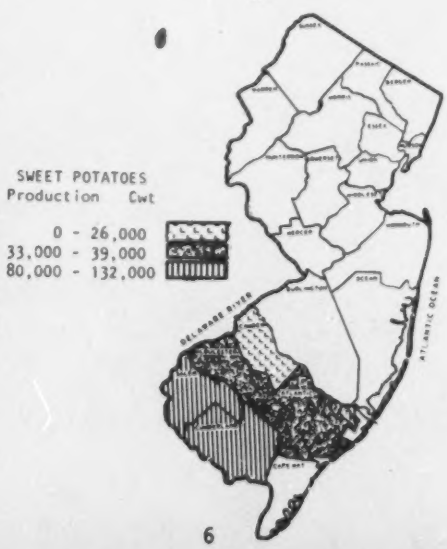
Year	Acres		Yield per acre 1/	Production (thou.) 1/	Season average price 1/ (dollars)	Value	
	Planted (thou.)	Harvested (thou.)				Total (thou. dol.)	Per acre (dollars)
CORN FOR GRAIN 2/							
1977	149	99	70.0	6,930	2.05	14,207	144
1978	143	103	91.0	9,373	2.45	22,964	223
1979	137	95	90.0	8,550	2.89	24,710	260
1980	158	118	75.0	8,850	3.59	31,772	269
1981	170	125	99.0	12,375	2.61	32,299	258
1982	152	112	102.0	11,424	2.25	25,704	230
CORN FOR SILAGE							
1977	--	44	14.0	616	18.00	11,088	252
1978	--	37	15.5	574	18.86	10,826	293
1979	--	39	15.0	585	21.36	12,496	320
1980	--	36	13.5	486	27.20	13,219	367
1981	--	42	15.0	630	20.76	13,079	311
1982	--	38	14.3	543	20.50	11,132	293
WHEAT							
1977	55	38	31.0	1,178	2.15	2,533	67
1978	36	25	36.0	900	3.05	2,745	110
1979	51	41	36.0	1,476	4.00	5,904	144
1980	52	43	43.0	1,849	3.98	7,359	171
1981	64	56	42.0	2,352	3.27	7,691	137
1982	69	48	41.0	1,968	3.10	6,101	127
OATS							
1977	10	9	43.0	387	1.35	522	58
1978	9	8	48.0	384	1.45	557	70
1979	8	7	50.0	350	1.50	525	75
1980	8	7	55.0	385	2.22	855	122
1981	8	7	55.0	385	2.20	847	121
1982	7	6	56.0	336	1.90	638	106
BARLEY							
1977	27	13	48.0	624	1.75	1,092	84
1978	30	15	46.0	690	1.75	1,208	81
1979	28	14	51.0	714	1.95	1,392	99
1980	27	15	53.0	795	2.23	1,773	118
1981	24	17	61.0	1,037	2.02	2,095	123
1982	28	20	63.0	1,260	1.75	2,205	110
RYE							
1977	60	8	29.0	232	2.40	557	70
1978	76	11	23.0	253	2.75	696	63
1979	79	10	25.0	250	3.05	763	76
1980	82	8	27.0	216	3.24	700	88
1981	76	9	29.0	261	3.89	1,015	113
1982	80	11	29.0	319	2.80	893	81
SOYBEANS 3/							
1977	185	177	24.0	4,248	5.65	24,001	136
1978	195	191	31.0	5,921	6.80	40,263	211
1979	205	203	30.0	6,090	6.20	37,758	186
1980	200	194	18.0	3,492	7.77	27,133	140
1981	170	168	29.0	4,872	5.96	29,037	173
1982	172	170	25.0	4,250	5.30	22,525	133

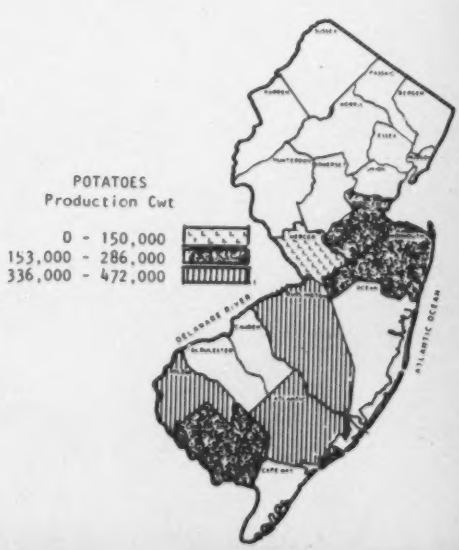
1/ Yield per acre, production and season average price of grains in bushels; silage in tons.
2/ Corn acres planted (first column) is for all purposes including silage and other; remaining columns relate only to corn harvested for grain.
3/ Soybean acres planted (first column) is for all purposes including silage and other; remaining columns relate only to soybeans harvested for beans.

Year	Acres Planted (thou.)	Acres Harvested (thou.)	Yield per acre 1/	Production (thou.) 1/	Season average price 1/ (dollars)	Value Total (thou. dol.)	Value Per acre (dollars)
POTATOES							
1977	8.3	8.1	265	2,147	4.14	8,889	1,097
1978	8.5	8.2	255	2,091	3.85	8,050	982
1979	8.8	8.5	250	2,125	4.00	8,500	1,000
1980	8.5	8.2	240	1,968	8.30	16,334	1,992
1981	8.3	8.1	255	2,066	7.00	14,462	1,785
1982	8.0	7.9	260	2,054	5.10	10,475	1,326
SWEET POTATOES							
1977	2.4	2.4	105	252	14.60	3,679	1,533
1978	2.6	2.6	110	286	14.00	4,004	1,540
1979	2.7	2.7	115	311	13.50	4,199	1,555
1980	2.4	2.4	115	276	16.40	4,526	1,886
1981	2.5	2.5	110	275	16.10	4,428	1,771
1982	2.9	2.9	110	319	13.40	4,275	1,474
ALFALFA HAY							
1977	--	46	3.30	152	--	--	--
1978	--	53	3.30	175	--	--	--
1979	--	48	3.60	173	--	--	--
1980	--	41	3.00	123	--	--	--
1981	--	40	3.40	136	--	--	--
1982	--	42	4.00	168	--	--	--
OTHER HAY 2/							
1977	--	79	1.90	150	--	--	--
1978	--	76	2.00	152	--	--	--
1979	--	79	2.20	174	--	--	--
1980	--	66	2.00	132	--	--	--
1981	--	70	2.00	140	--	--	--
1982	--	62	2.30	143	--	--	--
ALL HAY							
1977	--	125	2.42	302	75.00	22,650	181
1978	--	129	2.53	327	72.50	23,708	184
1979	--	127	2.73	347	61.00	21,167	167
1980	--	107	2.38	255	78.50	20,018	187
1981	--	110	2.51	276	94.00	25,944	236
1982	--	104	2.99	311	96.50	30,012	289

1/ Yield per acre, production and season average price of potatoes and sweet potatoes in hundredweight; hay in tons.
2/ Includes clover and timothy hay.







NEW JERSEY: PRODUCTION, UTILIZATION AND VALUE OF GRAINS AND HAY, 1977-1982

Year	Production (thou. bu.)	Used for feed and seed on farms where grown (thou. bu.)	Sold (thou. bu.)	Season average price per bushel (dollars)	Value of Production (thou. dol.)	Value of Sales (thou. dol.)
CORN FOR GRAIN						
1977	6,930	2,079	4,851	2.05	14,207	9,945
1978	9,373	2,624	6,749	2.45	22,964	16,535
1979	8,550	2,565	5,985	2.89	24,710	17,297
1980	8,850	NA	NA	3.59	31,772	NA
1981	12,375	NA	NA	2.61	32,299	NA
1982	11,424	NA	NA	2.25	25,704	NA
OATS						
1977	387	271	116	1.35	522	157
1978	384	269	115	1.45	557	167
1979	350	252	98	1.50	525	147
1980	385	NA	NA	2.22	855	NA
1981	385	NA	NA	2.20	847	NA
1982	336	NA	NA	1.90	638	NA
BARLEY						
1977	624	218	406	1.75	1,092	711
1978	690	207	483	1.75	1,208	845
1979	714	250	464	1.95	1,392	905
1980	795	286	509	2.23	1,773	NA
1981	1,037	NA	NA	2.02	2,095	NA
1982	1,260	NA	NA	1.75	2,205	NA
ALL HAY 1/						
1977	302	187	115	75.00	22,650	8,625
1978	327	190	137	72.50	23,708	9,933
1979	347	208	139	61.00	21,167	8,479
1980	255	130	125	78.50	20,018	NA
1981	276	NA	NA	94.00	25,944	NA
1982	311	NA	NA	96.50	30,012	NA
RYE						
1977	232	53	179	2.40	557	430
1978	253	58	195	2.75	696	536
1979	250	60	190	3.05	763	580
1980	216	52	164	3.24	700	NA
1981	261	NA	NA	3.89	1,015	NA
1982	319	NA	NA	2.80	893	NA
WHEAT						
1977	1,178	100	1,078	2.15	2,533	2,318
1978	900	95	805	3.05	2,745	2,455
1979	1,476	142	1,334	4.00	5,904	5,336
1980	1,849	118	1,731	3.98	7,359	NA
1981	2,352	NA	NA	3.27	7,691	NA
1982	1,968	NA	NA	3.10	6,101	NA
SOYBEANS						
1977	4,248	102	4,146	5.65	24,001	23,425
1978	5,921	101	5,820	6.80	40,263	39,576
1979	6,090	104	5,986	6.20	37,758	37,113
1980	3,492	77	3,415	7.77	27,133	NA
1981	4,872	NA	NA	5.96	29,037	NA
1982	4,250	NA	NA	5.30	22,525	NA

1/ Production, farm use and sales in thousand tons; season average price, dollars per ton.

NEW JERSEY: STOCKS OF GRAIN IN ALL POSITIONS, 1977-1983

Crop Year	January 1			April 1			June 1			October 1		
	On farm	Total Off farm	all positions	On farm	Total Off farm	all positions	On farm	Total Off farm	all positions	On farm	Total Off farm	all positions
	-- thousand bushels --											
WHEAT												
1977	147	1/	1/	63	1/	1/	42	1/	1/	306	182	488
1978	141	T/	T/	24	T/	T/	12	153	165	162	1/	1/
1979	72	253	325	9	T/	T/	5	1/	1/	177	T/	T/
1980	74	198	272	37	T/	T/	22	T/	T/	259	T/	T/
1981	148	1/	1/	111	T/	T/	92	T/	T/	141	T/	T/
1982	71	212	283	47	142	189	24	T/	T/	276	T/	T/
1983	236	210	446	98	131	229	39	T/	T/		--	--
OATS												
1977	159	1/	1/	102	1/	1/	61	1/	1/	302	53	355
1978	186	32	218	85	69	154	58	56	114	253	44	297
1979	192	61	253	84	54	138	61	55	116	263	74	337
1980	228	54	282	116	53	169	74	55	129	281	51	332
1981	258	50	308	162	54	216	35	41	76	266	91	357
1982	154	60	214	116	61	177	92	45	137	218	64	282
1983	192	82	274	77	47	124	67	27	94			
BARLEY												
1977	98	60	158	49	1/	1/	29	1/	1/	156	189	345
1978	94	97	191	50	68	118	31	T/	T/	117	78	195
1979	97	61	158	35	68	103	7	T/	T/	86	98	184
1980	71	66	137	43	49	92	29	T/	T/	239	1/	1/
1981	103	1/	1/	72	1/	1/	32	T/	T/	156	T/	T/
1982	124	96	220	62	74	136	41	T/	T/	214	T/	T/
1983	151	101	252	50	40	90	25	26	51		--	--
RYE												
1977	32	1/	1/	17	1/	1/	8	--	8	116	6	122
1978	79	T/	T/	42	T/	T/	28	1/	1/	81	1/	1/
1979	63	T/	T/	43	3	46	25	T/	T/	75	T/	T/
1980	50	--	50	25	--	25	8	T/	T/	114	T/	T/
1981	32	1/	1/	6	--	6	4	--	4	99	T/	T/
1982	52	T/	T/	21	1/	1/	13	1/	1/	105	T/	T/
1983	32	T/	T/	13	T/	T/	6	--	6		--	--
CORN												
1977	4,846	679	5,525	3,462	1/	1/	1,780	1/	1/	495	250	745
1978	4,782	518	5,300	2,356	T/	T/	1,386	T/	T/	208	72	280
1979	5,436	392	5,828	3,187	307	3,494	1,406	T/	T/	375	32	407
1980	5,130	213	5,343	2,565	141	2,706	1,625	40	1,665	171	13	184
1981	4,779	206	4,985	2,478	182	2,660	1,593	131	1,724	266	42	308
1982	6,064	251	6,315	3,465	110	3,575	2,970	120	3,090	1,856	81	1,937
1983	7,083	389	7,472	2,970	129	3,099	2,056	116	2,172			
SOYBEANS 2/												
1977	1,066	1/	1/	213	1/	1/	71	1/	1/	18	--	18
1978	1,699	T/	T/	297	T/	T/	170	T/	T/	85	1/	1/
1979	2,428	T/	T/	533	T/	T/	178	T/	T/	118	T/	T/
1980	3,350	233	3,583	1,035	T/	T/	974	T/	T/	670	T/	T/
1981	1,222	95	1,317	698	T/	T/	629	T/	T/	297	T/	T/
1982	1,949	89	2,038	682	T/	T/	487	T/	T/	49	T/	T/
1983	1,530	172	1,702	850	T/	T/	383	22	405		--	--

1/ Included in national estimates, but not shown for New Jersey to avoid disclosure of individual operations.
2/ Soybean stocks as of September 1, instead of October 1.

NEW JERSEY: CORN ACREAGE AND PRODUCTION, BY COUNTIES, 1981-1982

County	Acres harvested for all purposes	Acres harvested for grain	Yield per acre (bushels)	Production (bushels)
		1981		
NORTH DISTRICT:				
Hunterdon	31,800	24,500	103	2,523,500
Morris	5,700	4,800	118	566,400
Somerset	9,800	7,500	90	675,000
Sussex	12,300	4,000	109	436,000
Warren	32,800	23,900	112	2,676,800
CENTRAL DISTRICT:				
Burlington	17,900	14,000	90	1,260,000
Mercer	5,100	4,700	92	432,400
Middlesex	5,200	4,400	110	484,000
Monmouth	11,700	10,100	90	909,000
Ocean	3,300	2,800	62	173,600
SOUTH DISTRICT:				
Atlantic	400	200	70	14,000
Camden	500	300	79	23,700
Cape May	700	600	78	46,800
Cumberland	5,400	4,400	85	374,000
Gloucester	4,400	2,700	86	232,200
Salem	21,700	15,900	96	1,526,400
Other counties	300	200	106	21,200
STATE	169,000	125,000	99	12,375,000
		1982		
NORTH DISTRICT:				
Hunterdon	27,800	22,800	96	2,188,800
Morris	5,300	4,900	92	450,800
Somerset	9,100	6,800	88	598,400
Sussex	11,900	3,300	103	339,900
Warren	28,900	21,800	105	2,289,000
CENTRAL DISTRICT:				
Burlington	16,900	12,200	106	1,293,200
Mercer	5,000	4,800	114	547,200
Middlesex	4,400	3,700	118	436,600
Monmouth	9,900	8,800	104	915,200
Ocean	3,000	2,800	102	285,600
SOUTH DISTRICT:				
Atlantic	300	200	83	16,600
Camden	300	300	77	23,100
Cape May	600	600	92	55,200
Cumberland	4,700	3,800	108	410,400
Gloucester	4,200	3,000	90	270,000
Salem	18,400	12,000	107	1,284,000
Other counties	300	200	100	20,000
STATE	151,000	112,000	102	11,424,000

NEW JERSEY: SOYBEANS FOR BEANS, BY COUNTIES, 1981-1982

County	Acres harvested	Yield per acre (bushels)	Production (bushels)	Acres harvested	Yield per acre (bushels)	Production (bushels)
		1981			1982	
NORTH DISTRICT:						
Hunterdon	12,000	34	408,000	12,300	23	282,900
Somerset	8,300	26	215,800	8,400	20	168,000
Warren	2,200	37	81,400	2,200	26	57,200
CENTRAL DISTRICT:						
Burlington	25,000	29	725,000	25,300	27	683,100
Mercer	14,300	28	400,400	14,600	25	365,000
Middlesex	9,100	28	254,800	9,200	26	239,200
Monmouth	20,000	27	540,000	19,500	28	546,000
Ocean	2,300	29	66,700	2,400	25	60,000
SOUTH DISTRICT:						
Atlantic	1,100	22	24,200	1,200	23	27,600
Camden	1,400	35	49,000	1,400	19	26,600
Cape May	1,400	31	43,400	1,500	28	42,000
Cumberland	21,500	29	623,500	22,000	26	572,000
Gloucester	19,500	29	565,500	19,800	20	396,000
Salem	29,100	29	843,900	29,400	26	764,400
Other counties	800	38	30,400	800	25	20,000
STATE	168,000	29	4,872,000	170,000	25	4,250,000

SOYBEAN FOR BEANS
Bushels

0 -- 42,000
57,200 -- 396,000
546,000 -- 764,400

WHEAT FOR GRAIN
Production Bushels

0 -- 19,200
86,100 -- 180,400
217,300 -- 352,800

BARLEY FOR GRAIN
Production Bushels

0 -- 25,600
35,400 -- 96,000
146,400 -- 358,800

NEW JERSEY: WHEAT FOR GRAIN, BY COUNTIES, 1981-1982

County	Acres harvested	Yield per acre (bushels)	Production (bushels)	Acres harvested	Yield per acre (bushels)	Production (bushels)
		1981			1982	
NORTH DISTRICT:						
Hunterdon	4,500	39	175,500	4,400	36	158,400
Somerset	2,300	46	105,800	2,100	41	86,100
Warren	2,400	50	120,000	2,100	47	98,700
CENTRAL DISTRICT:						
Burlington	4,400	45	198,000	4,400	41	180,400
Mercer	6,500	46	299,000	5,300	41	217,300
Middlesex	3,700	41	151,700	2,800	41	114,800
Monmouth	8,600	41	352,600	8,400	42	352,800
SOUTH DISTRICT:						
Camden	700	34	23,800	600	32	19,200
Cumberland	8,100	42	340,200	6,200	40	248,000
Gloucester	4,400	36	158,400	4,200	39	163,800
Salem	9,800	41	401,800	7,000	44	308,000
Other counties	600	42	25,200	500	41	20,500
STATE	56,000	42	2,352,000	48,000	41	1,968,000

NEW JERSEY: BARLEY FOR GRAIN, BY COUNTIES, 1981-1982

County	Acres harvested	Yield per acre (bushels)	Production (bushels)	Acres harvested	Yield per acre (bushels)	Production (bushels)
		1981			1982	
NORTH DISTRICT:						
Hunterdon	500	48	24,000	600	59	35,400
Somerset	300	49	14,700	400	64	25,600
Warren	300	45	13,500	400	64	25,600
CENTRAL DISTRICT:						
Burlington	4,500	65	292,500	5,200	69	358,800
Mercer	1,500	72	108,000	1,600	60	96,000
Middlesex	600	70	42,000	600	73	43,800
Monmouth	2,000	67	134,000	2,100	70	147,000
SOUTH DISTRICT:						
Cumberland	1,900	55	104,500	2,450	61	146,400
Gloucester	900	53	47,700	1,000	50	50,000
Salem	4,100	57	233,700	5,300	58	307,400
Other counties	400	56	22,400	400	60	24,000
STATE	17,000	61	1,037,000	20,000	63	1,260,000

NEW JERSEY: HAY ACREAGE AND PRODUCTION, BY COUNTIES, 1981-1982

County	Acres harvested		All hay		
	Alfalfa	Other 1/	Acres harvested	Yield per acre (tons)	Production (tons)
		1981			
NORTH DISTRICT:					
Hunterdon	6,400	15,600	22,000	2.2	48,400
Morris	1,700	4,300	6,000	2.0	12,000
Somerset	1,700	7,300	9,000	2.2	19,800
Sussex	7,000	12,000	19,000	2.5	47,500
Warren	8,000	8,000	16,000	3.0	48,000
CENTRAL DISTRICT:					
Burlington	3,200	4,600	7,800	2.5	19,500
Mercer	700	1,700	2,400	2.0	4,800
Middlesex	200	700	900	1.8	1,620
Monmouth	1,700	2,700	4,400	3.0	13,200
Ocean	300	1,300	1,600	3.0	4,800
SOUTH DISTRICT:					
Atlantic	2/	2/	700	1.3	910
Camden	2/	2/	450	2.4	1,080
Cape May	500	1,100	1,600	2.0	3,200
Cumberland	3,600	4,600	8,200	2.4	19,680
Gloucester	1,000	1,200	2,200	2.8	6,160
Salem	3,500	4,000	7,500	3.3	24,750
Other counties	500	900	250	2.4	600
STATE	40,000	70,000	110,000	2.5	276,000
		1982			
NORTH DISTRICT:					
Hunterdon	7,000	14,000	21,000	2.4	50,400
Morris	1,600	3,900	5,500	2.1	11,550
Somerset	1,800	6,700	8,500	2.3	19,550
Sussex	7,200	10,800	18,000	2.5	45,000
Warren	8,000	7.000	15,000	3.3	49,500
CENTRAL DISTRICT:					
Burlington	3,400	4,100	7,500	4.6	34,500
Mercer	1,000	1,300	2,300	2.6	5,980
Middlesex	300	500	800	2.9	2,320
Monmouth	1,700	2,500	4,200	3.2	13,440
Ocean	300	1,200	1,500	3.1	4,650
SOUTH DISTRICT:					
Atlantic	2/	2/	650	1.4	910
Camden	2/	2/	400	3.6	1,440
Cape May	600	900	1,500	2.2	3,300
Cumberland	3,800	4,000	7,800	4.5	35,100
Gloucester	1,200	900	2,100	3.6	7,560
Salem	3,500	3,500	7,000	3.6	25,200
Other counties	600	700	250	2.4	600
STATE	42,000	62,000	104,000	3.0	311,000

1/ Includes clover and timothy.
2/ Included with other counties.

NEW JERSEY: POTATOES, BY COUNTIES, 1981-1982

County	Acres harvested	Yield per acre (cwt.)	Production (cwt.)	Acres harvested	Yield per acre (cwt.)	Production (cwt.)
		1981			1982	
CENTRAL DISTRICT:						
Burlington	600	235	141,000	600	255	153,000
Mercer	600	280	168,000	600	250	150,000
Middlesex	1,300	285	370,500	1,600	295	472,000
Monmouth	1,500	280	420,000	1,200	280	336,000
SOUTH DISTRICT:						
Atlantic	700	235	164,500	700	270	189,000
Cumberland	2,000	240	480,000	1,900	220	418,000
Salem	1,200	230	276,000	1,100	260	286,000
Other counties	200	230	46,000	200	250	50,000
STATE	8,100	255	2,066,000	7,900	260	2,054,000

NEW JERSEY: SWEET POTATOES, BY COUNTIES, 1981-1982

County	Acres harvested	Yield per acre (cwt.)	Production (cwt.)	Acres harvested	Yield per acre (cwt.)	Production (cwt.)
		1981			1982	
SOUTH DISTRICT:						
Atlantic	900	110	99,000	1,200	110	132,000
Camden	200	110	22,000	200	130	26,000
Cumberland	200	120	24,000	300	130	39,000
Gloucester	800	110	88,000	800	100	80,000
Salem	250	110	28,000	300	110	33,000
Other counties	150	95	14,000	100	90	9,000
STATE	2,500	110	275,000	2,900	110	319,000

NEW JERSEY: MONTHLY UNLOADS OF POTATOES AND SWEET POTATOES AT 23 U.S. CITIES, 1980-1983 1/

Crop and year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season totals
						-- 1,000 cwt. --								
POTATOES:														
1980-81	48	194	90	39	1	--	--	--	--	--	1	1	--	374
1981-82	69	189	141	90	7	--	--	1	--	--	--	1	--	498
1982-83	15	213	193	114	62	11	--	--	4	--	--	2/	2/	2/
SWEET POTATOES:														
1980-81	--	2	11	19	30	22	12	12	13	15	8	6	2	152
1981-82	--	1	12	20	33	17	7	8	10	9	5	5	2	129
1982-83	--	1	8	10	20	15	7	4	4	6	4	2/	2/	2/

1/ Arrivals at 41 U.S. cities prior to October 1, 1981.
2/ Not available at time of publication.

SOURCE: Fruit & Vegetable Market News Service, C&MS, U.S. Department of Agriculture

NEW JERSEY: PRODUCTION, UTILIZATION AND VALUE OF POTATOES AND SWEET POTATOES, 1977-1981 1/

Year	Production (thou. cwt.)	Total used for seed (thou. cwt.)	Used on farms where grown		Sold (thou. cwt.)	Season average price per cwt. (dollars)	Value of	
			For seed, feed and household use (thou. cwt.)	Shrinkage and loss (thou. cwt.)			Production (thou. dol.)	Sales (thou. dol.)
				POTATOES				
1977	2,147	153	8	75	2,064	4.14	8,889	8,545
1978	2,091	158	8	73	2,010	3.85	8,050	7,739
1979	2,125	153	9	74	2,042	4.00	8,500	8,168
1980	1,968	149	8	59	1,901	8.30	16,334	15,778
1981	2,066	144	8	62	1,996	7.00	14,462	13,972
				SWEET POTATOES				
1977	252	13	10	20	222	14.60	3,679	3,241
1978	286	16	11	27	248	14.00	4,004	3,472
1979	311	8	9	19	283	13.50	4,199	3,821
1980	276	11	10	26	240	16.40	4,526	3,936
1981	275	19	17	21	237	16.10	4,428	3,816

1/ Data for 1982 crop disposition not available at time of publication.

UNITED STATES PRODUCTION AND PER CAPITA CONSUMPTION OF POTATOES, 1966-1981

Year	Production	Per capita consumption						
		Total fresh and processed	Fresh	Processed 1/				
				Total	Canned 2/	Frozen	Chips and shoe-strings	Dehy-drated
	Million cwt.	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1966	307.2	116.4	72.0	44.4	1.7	17.3	16.7	8.7
1967	305.8	108.1	62.1	46.0	1.7	19.0	16.9	8.4
1968	295.4	115.0	65.7	49.3	1.9	21.2	17.1	9.1
1969	312.6	116.6	61.3	55.3	2.0	24.6	17.7	11.0
1970	325.7	116.3	57.3	59.0	2.0	27.7	17.6	11.7
1971	319.3	117.7	56.0	61.7	2.1	30.2	17.3	12.1
1972	296.4	118.4	56.6	61.8	2.1	30.5	16.9	12.3
1973	300.0	115.5	51.1	64.4	2.3	32.9	16.5	12.7
1974	342.4	112.8	47.4	65.4	2.3	32.7	16.0	14.4
1975	322.0	120.2	53.8	66.4	2.0	34.3	15.7	14.4
1976	357.7	114.8	50.5	64.3	1.9	36.4	16.0	10.0
1977	355.3	120.0	53.6	66.4	2.2	36.5	16.6	11.1
1978	366.3	120.8	51.5	69.3	2.2	38.8	17.0	11.3
1979	342.5	124.0	59.0	65.0	2.1	35.4	17.1	10.4
1980	302.9	117.4	55.8	61.6	1.9	33.7	16.9	9.1
1981 3/	339.0	114.2	49.1	65.1	1.8	36.3	16.7	10.3

1/ Fresh-weight basis.
2/ Includes potatoes canned in soups, stews and other combinations.
3/ Preliminary.

SOURCE: 1960-81 Food Consumption Prices and expenditures, U.S.D.A., Economic Research Service.

NEW JERSEY: WEATHER SUMMARY, 1982

January : January was an extremely cold month averaging 6 to 9 degrees below normal across the state. Temperatures ranged from a high of 62 degrees at Indian Mills to a low of -19 degrees at Toms River. Precipitation was well above normal in most locations ranging from 2.74 inches at Woodstown to 6.77 inches at Newark. Flemington received the greatest amount of snow with 16.7 inches while Toms River received none.

February : February turned warmer and drier than January as temperatures were 1 to 2 degrees above normal and precipitation was a half to 2 inches below normal. The extremes were 67 degrees at Pomona and 1 degree at Sussex. Snowfall totals were generally below normal.

March : March was a cool, dry month. Temperatures were slightly below normal while precipitation was well below normal. Pomona had the highest temperature with a 69 while Sussex had the low with 3 degrees. Snowfall was mainly confined to the northern part of the state.

April : April was a cold, wet month. Temperatures were about 3 degrees below normal while precipitation was 1 to 4 inches above normal. Temperatures ranged from 82 degrees at Millville and Plainfield to 9 degrees at High Point. Above normal snowfall amounts were the result of a heavy snowfall on the 6th and 7th.

May : May was a near normal month with temperatures slightly above normal and precipitation slightly below normal. The extremes were 88 degrees at Sussex and Hammonton and 30 degrees at High Point. Heavy rain fell on the 29th with Canistear Reservoir receiving 3.05 inches in the 24 hour period.

June : June was a very cool month averaging almost 4 degrees below normal across the state. Extremes were 92 degrees at Toms River and 41 degrees at Charlotteburg. Precipitation averaged 6.06 inches in the North and 4.64 inches in the South, which was well above normal.

July : Temperatures were slightly below normal and precipitation was well below normal in the North and South, but near normal along the coast. Temperatures ranged from 103 degrees at Belleplain St. Forest to 42 at Sussex and Charlotteburg. Rainfall was fairly well spaced at weekly intervals.

August : This month featured temperatures about 3 degrees below normal. Maximum and minimum temperatures were 92 at Pomona and Toms River and 36 degrees at Charlotteburg, Essex Fells and Newton. Record breaking low temperatures occurred on the 29th. Rainfall averaged 3.44 inches in the North and 2.52 inches in the South; this was 73% and 56% of normal.

September : September saw temperatures about 1 degree below normal with precipitation slightly below normal in the North and well below normal in the South. Temperatures ranged from a high of 90 degrees at Flemington, Plainfield, Indian Mills and Toms River to a low of 35 degrees at Charlotteburg. The majority of the precipitation fell the second half of the month.

October : October featured temperatures below normal and precipitation well below normal. Extreme temperatures were 84 degrees at Hammonton, Indian Mills and Toms River and 21 degrees at Essex Fells, Morris, Plains and Sussex. Precipitation totals ranged from 0.31 inches at Freehold to 2.77 inches at Tuckerton. Most locations received only about 50 to 60 percent of their normal precipitation, with the majority of that falling on the 25th and 26th.

November : November saw precipitation just slightly below normal with temperatures averaging about 2 degrees above normal. Temperatures ranged from a high of 85 degrees at Toms River to a low of 12 degrees at several locations. Precipitation was fairly uniformly distributed throughout the month. Only trace amounts of snow were recorded during the month.

December : December was one of the warmest on record, as temperatures averaged almost 7 degrees above normal across the state. The extremes were 76 degrees at Indian Mills and -2 degrees at Pemberton. A warm spell the first week was followed by a snowstorm and cold spell the second week. Snowfall amounts were heaviest in the South where up to 8 inches fell. Precipitation totals averaged 1.72 inches in the North and 2.36 inches in the South.

Keith R. Arnesen
Agricultural Meteorologist

SOURCE: Department of Meteorology and Physical Oceanography, Cook College, Rutgers University.

THE WEATHER FOR 1982

Overall the weather for the 1982 growing season was generally favorable. From March through June precipitation totals were near or above the 30 year normals; however, from July through October totals were well below normal. Precipitation from March through October (Figure 1) was near the 30 year normal (Figure 2) in the North to well below normal in the Southeast. Rainfall during the crucial period of May to September (Figure 3) compared to the long term average (Figure 4) followed a similar pattern. The lack of an extended heat wave may have helped compensate for below normal precipitation.

FIGURE 1. GROWING SEASON (MARCH THROUGH OCTOBER) PRECIPITATION FOR 1982.

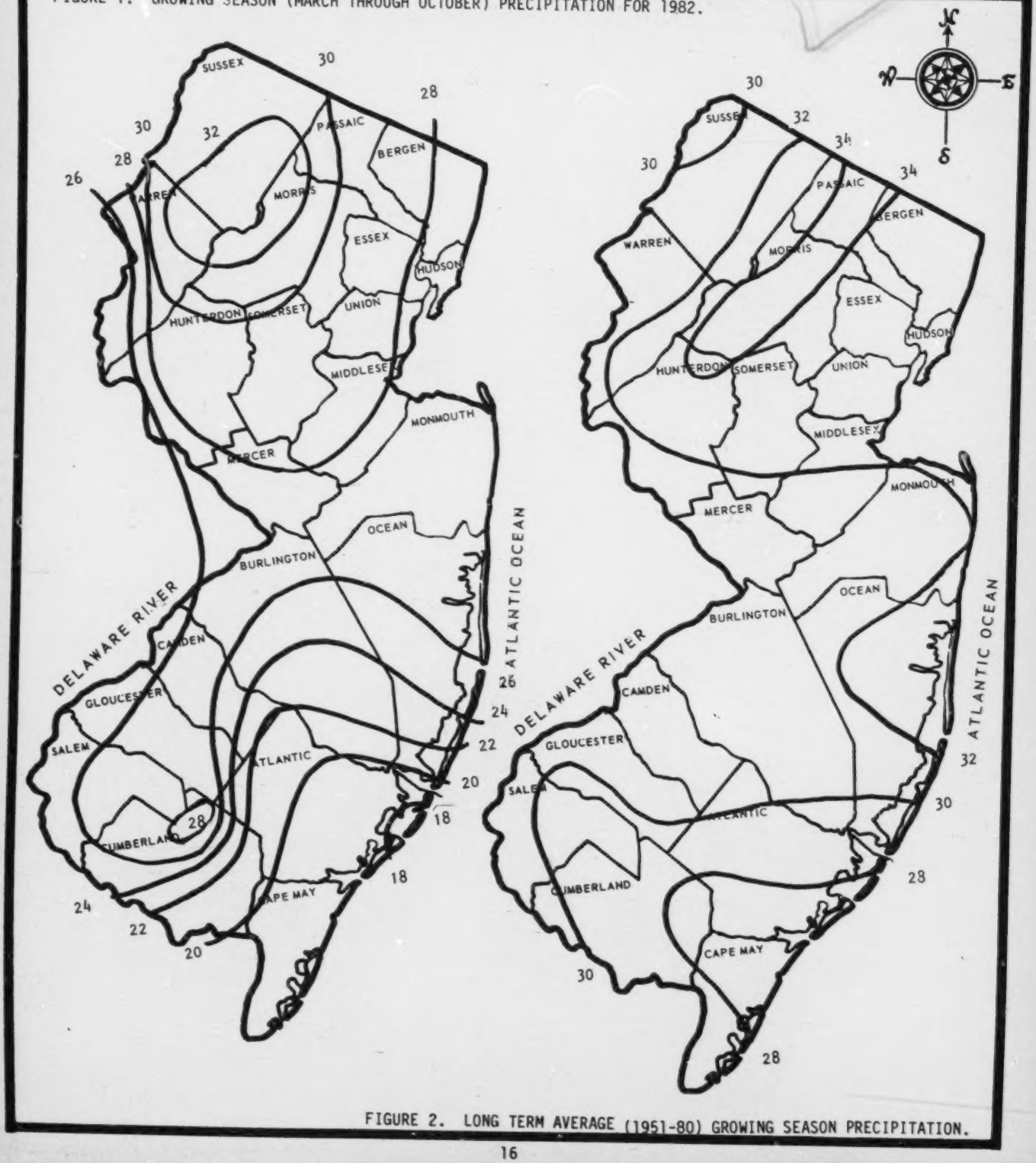


FIGURE 2. LONG TERM AVERAGE (1951-80) GROWING SEASON PRECIPITATION.

NEW JERSEY

FIGURE 3. MAY-SEPTEMBER PRECIPITATION FOR 1982.

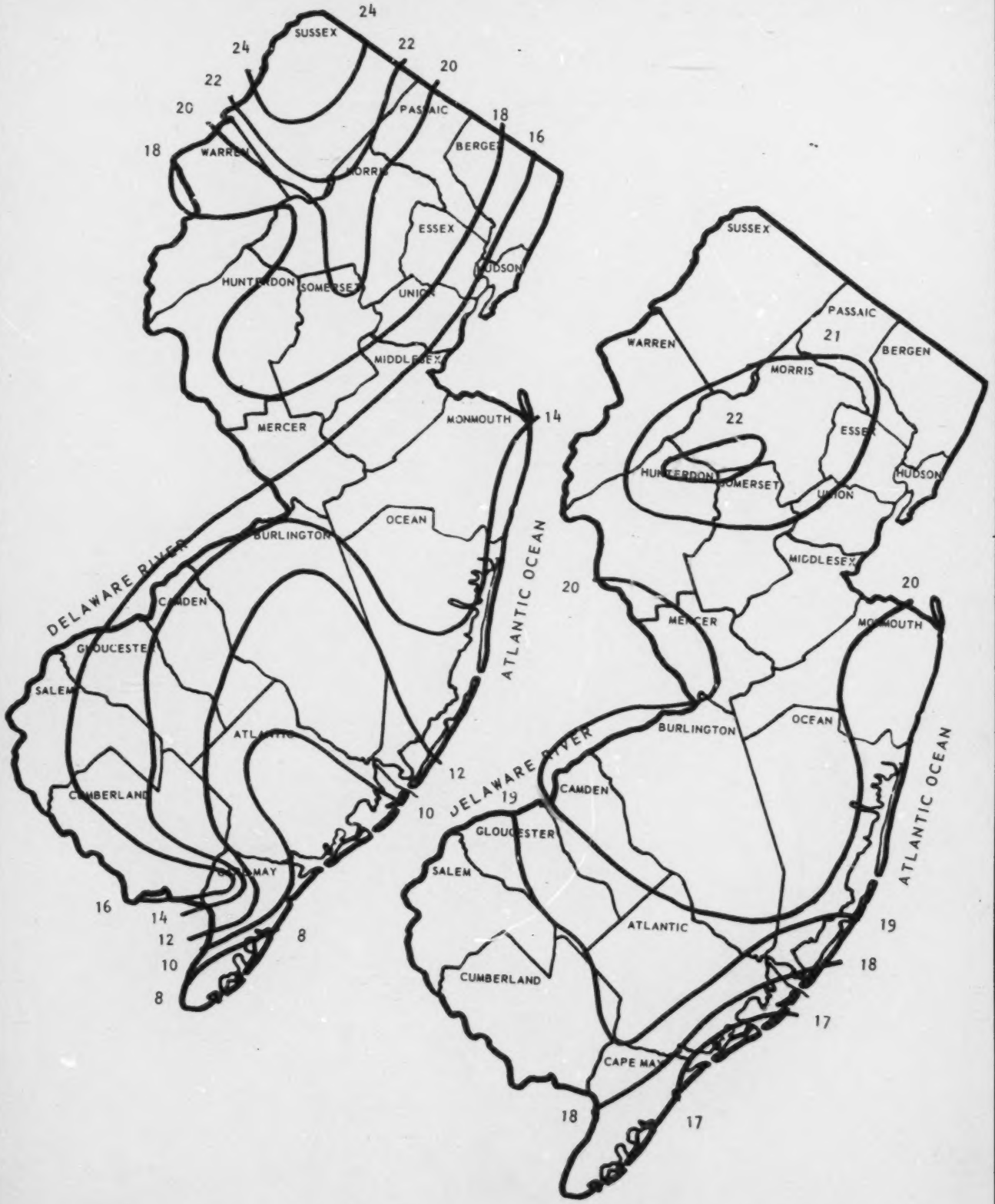


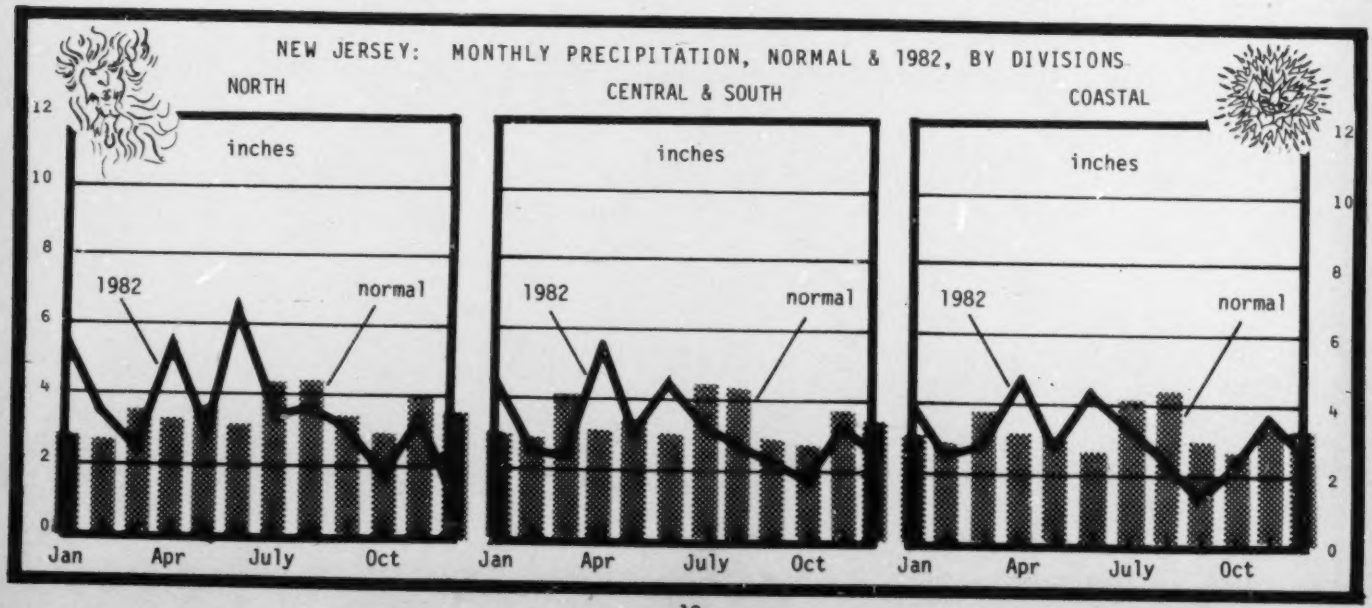
FIGURE 4. LONG-TERM AVERAGE (1951-80) MAY-SEPTEMBER PRECIPITATION.

NEW JERSEY: MONTHLY AND ANNUAL PRECIPITATION AT SELECTED STATIONS AND BY STATE DIVISIONS, 1982 1/

Division, county and station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Change from normal
						-- inches --								
NORTH DIVISION:	5.04	3.05	2.32	5.81	3.08	6.06	3.39	3.42	3.17	1.63	3.76	1.72	42.45	- 2.52
Essex, Newark	6.77	2.36	2.82	6.20	2.96	5.28	2.86	2.78	2.39	1.68	3.16	1.32	40.58	- .87
Canoe Brook	M6.12	3.08	2.06	6.57	2.61	5.95	2.80	3.17	3.39	2.04	3.57	1.36	42.72	--
Hunterdon, Lambertville	M4.66	2.93	2.79	5.92	2.84	5.74	4.02	2.95	3.04	2.11	2.96	1.74	41.70	--
Flemington	5.41	2.65	2.21	6.84	4.53	4.61	3.95	1.87	3.70	2.19	3.42	1.86	43.24	- .86
Morris, Boonton	5.33	3.15	2.32	6.65	3.01	5.91	3.54	3.41	3.20	1.48	3.59	1.83	43.42	- 1.51
Morris Plains	M5.61	3.11	2.41	7.04	2.88	6.55	M --	3.08	4.08	2.09	4.31	M1.85	--	--
Passaic, Little Falls	5.62	2.86	2.16	6.03	2.24	5.56	2.96	2.86	3.69	1.31	3.41	1.47	40.17	- 6.99
Somerset, Somerville	4.93	3.07	1.95	6.70	3.98	4.86	3.32	2.81	3.94	1.82	3.68	1.65	42.71	- .68
Sussex, Newton	3.29	3.42	2.31	5.18	3.10	6.73	4.36	6.56	3.41	1.31	4.15	2.00	45.82	3.75
Sussex	3.54	3.87	2.54	4.74	3.28	7.61	2.89	4.38	2.22	1.12	3.63	1.74	41.56	- 1.90
Union, Plainfield	5.39	2.62	2.60	6.20	2.89	5.77	3.57	2.34	3.25	1.68	3.37	1.72	41.40	- 5.57
Warren, Belvidere	--	--	--	4.78	4.52	5.87	3.27	2.97	1.78	1.18	4.84	1.40	--	--
CENTRAL & SOUTH DIVISION:	4.05	2.63	2.38	5.72	3.13	4.66	3.39	2.49	2.10	1.82	3.68	2.36	38.41	- 4.69
Burlington, Indian Mills	4.53	2.32	2.50	7.23	3.28	4.65	1.19	1.50	3.08	1.86	3.67	2.59	38.40	- 4.50
Pemberton	4.80	2.31	2.60	6.35	3.87	4.41	2.02	2.39	2.34	2.06	3.69	2.44	39.28	- 4.01
Mercer, Hightstown	4.24	2.51	2.02	6.22	3.94	4.36	3.81	2.43	2.78	1.79	3.56	1.91	39.57	- 2.69
Trenton	RM --	M --	M --	M --	M --	M --	RM --	M --	M --	M --	M --	M --	--	--
Middlesex, New Brunswick	5.12	2.84	1.94	6.82	3.41	4.78	4.05	2.47	2.61	1.83	3.35	1.76	40.98	- 2.25
Monmouth, Freehold	2.42	M --	2.22	4.81	M1.06	4.20	5.14	3.06	1.95	.31	3.34	2.14	--	--
Ocean, Toms River	M5.33	2.45	1.61	4.44	2.54	6.06	3.98	3.06	1.64	2.16	3.72	2.35	39.34	--
Atlantic, Hammonton	M3.74	2.38	2.04	5.66	1.85	3.52	4.02	1.44	2.32	1.73	2.22	2.62	M33.54	--
Atlantic City, Airport	4.11	2.06	2.70	3.85	2.42	3.03	3.62	1.63	1.34	1.14	4.17	2.85	32.92	-12.54
Camden, Audubon	3.97	2.55	2.83	5.72	3.93	7.08	2.19	2.01	2.63	2.34	3.54	2.05	40.84	- 1.38
Cape May, Belleplain	3.75	M2.65	3.16	3.76	2.53	3.17	3.70	4.94	1.81	1.87	4.60	2.84	M38.78	--
Cumberland, Millville	M4.16	5.20	2.72	5.56	2.43	2.65	4.56	2.22	.93	1.40	4.68	2.67	M39.18	--
Shiloh	M1.99	2.03	1.05	7.79	2.34	4.94	3.83	1.61	2.99	1.71	3.73	2.43	M36.44	--
Gloucester, Glassboro	3.80	2.22	2.17	7.65	4.67	4.99	2.25	2.97	1.71	1.79	3.82	1.76	M39.80	--
Salem, Woodstown	2.74	2.66	2.80	5.02	4.99	6.70	2.14	2.01	2.04	1.96	3.75	2.38	39.19	--
COASTAL DIVISION:	3.97	2.41	2.59	4.94	2.74	4.22	4.15	2.13	1.32	2.12	3.75	2.65	36.99	- 4.54
Atlantic City	R2.81	2.03	2.48	3.98	2.24	2.88	R4.14	2.08	1.16	1.11	4.05	3.04	32.00	- 9.11
Cape May	3.23	2.65	3.43	5.17	2.82	3.42	3.70	2.30	1.19	2.72	4.43	2.21	37.27	--
Long Branch	5.43	2.47	2.32	5.52	2.95	5.33	5.04	1.79	1.59	2.60	3.39	3.67	42.10	- 3.36
						-- departure from normal (inches) --								
DIVISIONS:														
North	1.99	.14	-1.62	2.05	-.87	2.59	-1.24	-1.23	- .44	-1.48	- .33	-2.08		- 2.52
Central and South	.96	- .35	-1.63	2.35	-.43	1.41	-1.27	-1.96	-1.23	-1.17	- .09	-1.28		- 4.69
Coastal	.73	- .74	-1.36	1.70	-.48	1.31	.12	-2.39	-1.78	- .79	.12	- .98		- 4.54

1/ SOURCE: NOAA Weather Bureau.

E - Amount is wholly or partially estimated.



NEW JERSEY: AVERAGE MONTHLY AND ANNUAL TEMPERATURE AT SELECTED STATIONS AND BY STATE DIVISION, 1982 1/

Division, county and station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Change from normal
	-- degrees --													
NORTH DIVISION:	19.9	30.8	36.7	46.7	61.1	64.9	72.9	68.3	63.7	53.0	45.7	38.2	50.2	-1.1
Essex, Newark	24.2	36.2	41.8	50.6	63.2	67.9	78.4	72.5	66.7	56.9	48.8	42.8	54.2	.3
Canoe Brook	20.2	31.3	36.8	46.9	61.2	64.7	72.5	68.9	64.3	53.4	45.8	37.9	50.3	- .3
Hunterdon, Flemington	20.8	31.8	38.1	46.6	62.6	66.1	74.0	68.7	64.8	53.3	46.1	39.0M	51.0M	- .9
Morris, Morris Plains	18.2	28.9	34.5	45.0	59.2	63.9	--M	67.1	62.8M	52.0	45.1	38.0	--M	--
Passaic, Little Falls	20.3	32.0	37.9	48.3	62.8	65.8	74.6	70.3	65.0	53.8	46.7	38.6	51.3	-1.2
Somerset, Somerville	20.1	30.8	37.3	47.1	61.7	65.4	73.1	68.0	63.2	52.5	45.0	38.0	50.2	-2.2
Sussex, Newton	16.3	27.5	33.7	44.0	58.9	63.1	69.8	65.3	61.0	49.9	43.0	35.6	47.3	-1.6
Sussex	16.1	27.5	33.6	44.8	59.3	63.8	70.4	65.8	61.3	50.6	43.2	35.8	47.7	-1.4
Union, Plainfield	24.2M	34.5M	40.5	49.7	63.8	67.1	75.2	71.2	66.0	55.7	47.4	40.9M	53.0M	.2
Warren, Belvidere	--	--	--	45.5	60.6	63.0	71.8	67.2	63.1	52.5	44.5	37.2	--M	--
CENTRAL & SOUTH DIVISION:	24.9	35.0	41.2	49.5	62.9	67.5	75.4	71.4	66.1	55.8	48.6	41.8	53.3	- .2
Burlington, Indian Mills	24.9	34.7	40.7	49.5	63.5	67.7	75.3	71.0	65.7	55.4	48.2	41.7	53.2	.3
Pemberton	25.4	34.8	40.9	49.0	62.8	67.0	73.9	70.0	65.8	56.0	48.4	41.7	53.0	- .7
Mercer, Hightstown	22.7	33.0	39.5	48.5	62.1	66.3	74.1	70.2	65.4	54.2	47.5	40.4	52.0	- .9
Trenton	--M	--M	--M	--M	--M	--M	--M	--M	--M	--M	--M	--M	--M	--
Middlesex, New Brunswick	22.1	32.9	39.1	48.0	61.9	65.9	74.2	70.0	65.5	54.2	47.1	39.6	51.7	-1.5
Monmouth, Freehold	22.4	--M	40.0	48.7	62.1	65.6	74.4	70.9	65.9	55.3	47.9	40.6	--M	--
Ocean, Toms River	24.4	35.6M	40.7	47.5	61.7	66.6	74.4	70.6	65.4	54.9	47.5	41.4	52.6M	--
Atlantic, Hammonton	24.3	35.1	41.0	49.7	62.7	67.7	75.5	72.1	66.2	55.5	49.1	42.1	53.4	-1.0
Camden, Audubon	25.9M	35.6	42.6	50.8	64.0	68.6	76.7	72.6	67.2	56.9	49.8	42.4	54.4M	--
Cape May, Belleplain	26.3	35.3	41.6	48.2	61.9	66.1	74.3	70.4	65.2	56.0	49.8	44.0M	53.3M	--
Cumberland, Millville	25.3	34.8	41.7	49.4	63.3	68.7	76.2	72.1	66.5	56.2	49.4	42.2	53.8	--
Gloucester, Glassboro	24.3M	34.2	41.1	49.4	63.6	66.4	75.9	71.3	66.7	55.8	48.8	41.7	53.3M	- .9
Salem, Woodstown	26.0	35.3	42.2	51.5	63.9	69.1	76.8	72.5	67.2	57.0	49.4	43.0	54.5	--
COASTAL DIVISION:	26.2	35.3	41.1	48.6	61.0	66.5	74.4	71.3	65.7	56.3	49.1	42.0	53.1	- .9
Atlantic City	29.1	35.8	42.2	48.7	60.2	66.1	72.8	69.6	66.0	56.3	48.8	40.7	53.0	-1.3
Cape May	27.6	35.3	41.7	48.9	62.1	67.7	74.6	72.2	66.2	57.4	50.4	43.2	53.9	--
Long Branch	24.2	34.7	39.5	47.5	59.7	65.5	73.8	70.2	62.8	53.1	47.0	40.6	51.6	-1.4
	-- departure from normal (degrees) --													
DIVISIONS:														
North	-8.7	.6	-1.8	-3.3	1.3	-4.0	- .6	-3.3	-1.2	-1.6	2.2	6.6		-1.1
Central and South	-7.2	1.5	--	-2.2	1.1	-3.2	.2	-2.0	-1.0	- .9	2.7	7.0		- .2
Coastal	-7.5	.8	.2	-2.0	.9	-3.0	- .3	-2.4	-2.4	-2.3	1.2	5.1		- .9

1/ SOURCE: NOAA Weather Bureau.

M - One or more days record missing; if average value is entered, less than 10 days record is missing.

NEW JERSEY: AVERAGE DATES OF LAST OCCURRENCE IN SPRING AND FIRST OCCURRENCE IN FALL OF 32 , 28 , AND 24 AND AVERAGE LENGTHS OF FREEZE-FREE PERIOD, SELECTED STATIONS 1/

County	Station	Years of record 2/	Average dates of last occurrence in spring of: 32	28	24	Average dates of first occurrence in fall of: 32	28	24	Average number of days between dates for 32
Sussex	Sussex	28	May 6	Apr. 23	Apr. 1	Oct. 5	Oct. 17	Oct. 30	152
Warren	Belvidere	30	Apr. 26	Apr. 12	Mar. 23	Oct. 13	Oct. 27	Nov. 14	170
Morris	Boonton	30	Apr. 28	Apr. 13	Mar. 26	Oct. 9	Oct. 22	Nov. 7	164
Hunterdon	Flemington	30	Apr. 29	Apr. 16	Mar. 30	Oct. 13	Oct. 23	Nov. 9	167
Middlesex	New Brunswick	30	Apr. 18	Apr. 4	Mar. 21	Oct. 19	Nov. 3	Nov. 18	184
Monmouth	Freehold	29	Apr. 23	Apr. 7	Mar. 24	Oct. 18	Nov. 2	Nov. 17	178
Mercer	Trenton	30	Apr. 4	Mar. 26	Mar. 14	Nov. 8	Nov. 21	Nov. 30	218
Burlington	Pemberton	30	Apr. 24	Apr. 8	Mar. 23	Oct. 15	Oct. 29	Nov. 15	174
Gloucester	Clayton	10	Apr. 12	Mar. 25	Mar. 20	Oct. 29	Nov. 7	Nov. 14	200
Atlantic	Hammonton	28	Apr. 21	Apr. 6	Mar. 21	Oct. 16	Oct. 31	Nov. 17	178
Cumberland	Shiloh	27	Apr. 15	Mar. 30	Mar. 19	Oct. 25	Nov. 9	Nov. 25	193
Cape May	Cape May	19	Mar. 31	Mar. 19	Mar. 5	Nov. 17	Nov. 30	Dec. 9	231

1/ For the period 1931-1960 or that portion of this period for which data are available.
2/ Minimum number of years included in spring or fall averages.

SOURCE: U.S. Department of Commerce, Climate of the States, New Jersey, revised March 1967.

NEW JERSEY: VEGETABLE CROP SUMMARY, 1982

Fresh market and process vegetables in the Garden State were valued at $95,749 thousand in 1982, up 6 percent from 1981 and 37 percent from 1980. Fresh market vegetables were valued at $81,419 thousand compared with $75,589 thousand in 1981, up 8 percent. Value of processing vegetables was $14,330 thousand, an increase of less than 1 percent from 1981. In 1982 fresh market vegetables accounted for 85 percent of the value of major vegetables while processing vegetables accounted for 15 percent. The comparable figures for 1981 were 84 percent for fresh market and 16 percent for processing.

Fresh market vegetable gross value per acre averaged $1,941 in 1982 compared with $1,787 in 1981. Processing vegetable gross value per acre averaged $1,667 in 1982, 7 percent below a year earlier.

Area harvested for the principal fresh market and processing vegetables in 1982 totaled 56,850 acres, one percent more than 56,200 acres in 1981 and 2 percent less than 1980.

Fresh market vegetable acreage harvested in 1982 totaled 41,950 compared with 42,300 in 1981. Processing vegetable acreage harvested in 1982 was 14,900 acres, up 7 percent from 13,900 in 1981. Fresh market vegetable crops with increased harvested acreage in 1982 included snapbeans, cucumbers and peppers. Cabbage, sweet corn, onions and escarole acreage declined. Asparagus, eggplant, spinach and tomato acreage was unchanged.

Combined production for both fresh market and processing crops was 360,200 tons, one percent above 1981. Fresh market production was 228,700 tons in 1982 compared with 230,300 in 1981, down 1 percent. Processing vegetables production at 131,500 tons was 3 percent over the 128,000 tons produced in 1981.

The value of tomatoes for both fresh market and processing in 1982 ranked first among all vegetables. The $34,519 thousand return accounted for 36 percent of the value of all major vegetables. Value of tomatoes for fresh market totaled $25,186 thousand while the value of the crop for processing totaled $9,333 thousand. The total dollar value of tomatoes was 19 percent above 1981 and 142 percent above 1980. Increases in yield per acre, total production and season average price contributed to the sharp increase in total value.

Ranking fresh market vegetable crops by dollar value of production indicates tomatoes were first with $4,604 thousand above last year's previous record high of $20,582 thousand. Peppers ranked second in value of production with $10,643 thousand. This was sharply above the $7,685 thousand in 1981. Acreage, production and price of the 1982 pepper crop were each above the 1981 levels. Sweet corn ranked third with $8,733 thousand down 11 percent from $9,771 thousand in 1981. A lower season average price coupled with a 5 percent decline in acreage was responsible for the 11 percent decrease in the value of production.

The rank of cabbage rose from sixth to fourth with $7,076 thousand in 1982, 20 percent above the $5,878 thousand in 1981. Higher prices and yields for both early and late crops offset the slightly lower acreage from the spring crop.

Lettuce ranked fifth with a value of $6,261 thousand, 15 percent less than last year. Snapbeans ranked sixth with a value of $5,530 thousand, 10 percent below $6,159 thousand in 1981.

Cucumbers ranked seventh with a value of $4,925 thousand up 27 percent from the 1981 total of $3,881 thousand. A 16 percent increase in the season price and a 9 percent increase in production contributed to the increase in total value. Spinach was eighth with a value of $3,865 thousand, up 23 percent from 1981. Escarole ranked ninth at $2,880 thousand, a 30 percent decline in value from 1981. Eggplant ranked tenth at $2,693 thousand, 15 percent below the $3,156 thousand value in 1981. Asparagus ranked eleventh with $2,637 thousand, 16 percent above 1981. Onions ranked twelfth with a value of $990 thousand, 38 percent less than $1,602 thousand in 1981. A lower season average price was mostly responsible.

NEW JERSEY: VEGETABLE CROPS, 1980-1982

Year	Acres harvested	Yield per acre (cwt.)	Production (thou. cwt.)	Season average price per cwt. (dollars)	Value	
					Total (thou. dol.)	Per acre (dollars)
ASPARAGUS, Jan. - June, fresh market and processing						
1980	1,500	15	23	85.30	1,962	1,308
1981	1,500	19	29	78.50	2,277	1,518
1982	1,500	21	32	82.40	2,637	1,758
CABBAGE, Jan. - June, fresh market						
1980	700	220	154	12.50	1,925	2,750
1981	700	220	154	6.76	1,041	1,487
1982	500	240	120	13.40	1,608	3,216
CABBAGE, July - Dec., fresh market						
1980	3,100	210	651	9.56	6,222	2,007
1981	2,700	260	702	6.89	4,837	1,791
1982	2,700	270	729	7.50	5,468	2,025
CUCUMBERS, July - Dec., fresh market						
1980	1,700	150	255	15.70	4,004	2,355
1981	1,700	155	264	14.70	3,881	2,283
1982	1,800	160	288	17.10	4,925	2,736
EGGPLANT, July - Dec., fresh market						
1980	1,000	150	150	14.10	2,115	2,115
1981	1,100	190	209	15.10	3,156	2,869
1982	1,100	180	198	13.60	2,693	2,448
ESCAROLE, Jan. - June, fresh market						
1980	290	190	55	18.10	996	3,434
1981	450	200	90	17.20	1,548	3,440
1982	300	150	45	24.00	1,080	3,600
ESCAROLE, July - Dec., fresh market						
1980	660	185	122	17.30	2,111	3,198
1981	700	190	133	19.30	2,567	3,667
1982	650	185	120	15.00	1,800	2,769
LETTUCE, Jan. - June, fresh market						
1980	1,300	185	241	9.66	2,328	1,791
1981	1,200	195	234	10.30	2,410	2,008
1982	1,600	150	240	11.30	2,712	1,695
LETTUCE, July - Dec., fresh market						
1980	1,300	210	273	9.65	2,635	2,027
1981	1,700	240	408	12.10	4,937	2,904
1982	1,300	260	338	10.50	3,549	2,730

NEW JERSEY: VEGETABLE CROPS, 1980-1982

Year	Acres harvested	Yield per acre (cwt.) 1/	Production (thou. cwt.) 1/	Season average price per cwt. 1/ (dollars)	Value	
					Total (thou. dol.)	Per acre (dollars)
ONIONS, dry, fresh market and processing, late crop						
1980	680	110	75	12.20	915	1,346
1981	650	160	104	15.40	1,602	2,465
1982	600	150	90	11.00	990	1,650
PEPPERS, July - Dec., fresh market and processing						
1980	6,700	71	475	16.40	7,792	1,163
1981	6,500	65	423	18.20	7,685	1,182
1982	6,600	75	495	21.50	10,643	1,613
SNAP BEANS, Jan. - June, fresh market						
1980	900	40	36	28.10	1,012	1,124
1981	1,000	40	40	21.80	872	872
1982	800	38	30	33.20	996	1,245
SNAP BEANS, July - Dec., fresh market						
1980	5,800	30	176	21.80	3,841	662
1981	3,800	52	198	26.70	5,287	1,391
1982	4,400	45	198	22.90	4,534	1,030
SWEET CORN, July - Dec., fresh market						
1980	9,500	73	694	12.10	8,397	884
1981	10,100	78	788	12.40	9,771	967
1982	9,600	74	710	12.30	8,733	910
SPINACH, Jan. - June, fresh market						
1980	700	77	54	24.10	1,301	1,859
1981	1,200	70	84	18.90	1,588	1,323
1982	1,200	72	86	27.80	2,391	1,993
SPINACH, July - Dec., fresh market						
1980	600	74	44	27.60	1,214	2,023
1981	700	75	53	29.20	1,548	2,211
1982	700	90	63	23.40	1,474	2,106
TOMATOES, July - Dec., fresh market						
1980	6,500	83	540	17.90	9,666	1,487
1981	6,600	105	693	29.70	20,582	3,118
1982	6,600	120	792	31.70	25,106	3,804
CUCUMBERS for pickles						
1980	1,400	8.0	11.2	167.00	1,870	1,336
1981	1,100	9.5	10.5	165.00	1,726	1,569
1982 2/	--	--	--	--	--	--

1/ Yield per acre, production and season average price of cucumbers for pickles in tons; all other crops in hundredweight.
2/ Estimate discontinued after 1981.

NEW JERSEY: VEGETABLE CROPS, 1980-1982

Year	Acres harvested	Yield per acre (cwt.) 1/	Production (thou. cwt.) 1/	Season average price per cwt. 1/ (dollars)	Value	
					Total (thou. dol.)	Per acre (dollars)
			SNAP BEANS, for processing			
1980	6,400	2.6	16.9	191.00	3,228	504
1981	7,400	2.8	20.5	205.00	4,203	568
1982	9,300	2.7	24.7	202.00	4,997	537
			TOMATOES, for processing			
1980	5,400	11.5	62.0	74.20	4,600	852
1981	5,400	18.0	97.0	86.60	8,398	1,555
1982	5,600	19.1	106.8	87.40	9,333	1,667

1/ Yield per acre, production and season average price of snap beans for processing and tomatoes for processing in tons.

NEW JERSEY: ALL COMMERCIAL VEGETABLES, ACREAGE, PRODUCTION AND VALUE, 1970-1982

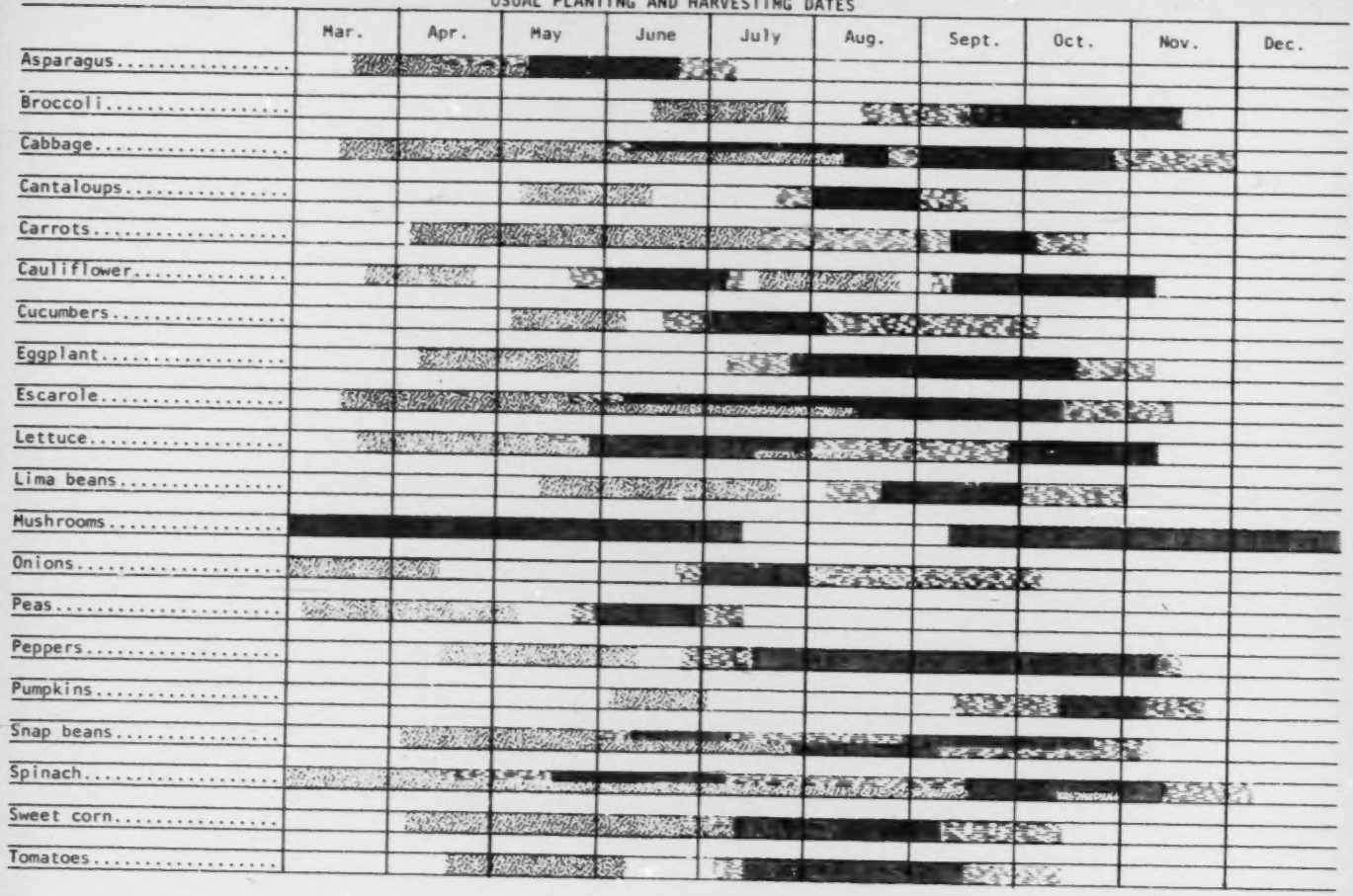
Year	Acres harvested			Production (tons)			Value (thousand dollars)		
	For fresh market	For processing	Total	For fresh market	For processing	Total	For fresh market	For processing	Total
1970	62,260	34,710	96,970	267,250	333,150	600,400	37,056	17,209	54,265
1971	60,780	33,120	93,900	249,900	264,550	514,450	38,874	14,091	52,965
1972	59,600	30,390	89,990	235,200	221,000	456,200	40,915	12,956	53,871
1973	55,880	32,050	87,930	240,950	222,950	463,900	49,177	14,396	63,573
1974	51,510	34,100	85,610	243,350	291,300	534,650	48,423	28,078	76,501
1975	47,740	27,570	75,310	217,300	210,750	428,050	48,435	17,748	66,183
1976	49,330	14,300	63,630	226,200	214,050	440,250	52,231	13,962	66,193
1977	48,430	14,800	63,230	219,350	163,450	382,800	56,119	10,694	66,813
1978	43,250	19,050	62,300	198,500	139,550	338,050	57,529	10,136	67,665
1979	44,990	16,600	61,590	196,650	133,610	330,260	61,905	10,800	72,705
1980	43,830	14,460	58,290	202,800	103,270	306,070	60,769	8,765	69,534
1981	43,200	15,290	58,490	232,450	146,690	379,140	78,539	13,323	91,862
1982	42,950	14,700	57,650	231,150	145,050	376,200	84,082	12,879	96,961

NEW JERSEY: MUSHROOMS, AREA, PRODUCTION AND VALUE, 1976-1983 1/

Year	Area in production (thou. sq. ft.)				Production (thou. lbs.)	Price per pound (dollars)	Value of production (thou. dol.)
	First filling	Second filling	Additional fillings	Total			
1976-77 ..	125	84	55	264	665	.653	434
1977-78 ..	142	80	43	265	610	.666	406
1978-79 ..	167	121	53	341	699	.652	456
1979-80 ..	132	90	64	286	613	.537	329
1980-81 ..	133	119	46	298	691	.621	429
1981-82 ..	146	82	2	230	586	.502	294
1982-83 ..	101	79	16	196	586	.628	368

1/ Production estimated on a fiscal year, July 1 through June 30.

NEW JERSEY: VEGETABLES, FRESH AND PROCESSING
USUAL PLANTING AND HARVESTING DATES



NEW JERSEY: TOMATOES, FRESH MARKET AND PROCESSING, BY COUNTIES, 1981-1982

County	Acres harvested					
	Fresh market	Processing	Total	Fresh market	Processing	Total
	1981			1982		
NORTH DISTRICT:						
Bergen	1/	1/	1/	1/	--	1/
Hunterdon	200	--	200	200	--	200
Morris	1/	1/	1/	1/	--	1/
Sussex	200	--	200	200	--	200
Warren	1/	1/	1/	1/	--	1/
CENTRAL DISTRICT:						
Burlington	400	200	600	400	250	650
Middlesex	1/	1/	1/	1/	--	1/
Monmouth	900	--	900	800	--	800
Ocean	1/	1/	1/	1/	--	1/
SOUTH DISTRICT:						
Atlantic	100	400	500	100	300	400
Camden	1/	--	1/	1/	1/	1/
Cape May	T/	--	T/	T/	--	T/
Cumberland	400	900	1,350	500	950	1,450
Gloucester	2,200	1,400	3,600	2,100	1,500	3,600
Salem	1,100	2,400	3,500	1,100	2,500	3,600
Other counties	1,100	100	1,200	1,200	100	1,300
STATE	6,600	5,400	12,000	6,600	5,600	12,200

1/ Included with other counties to avoid disclosure of individual operations.

NEW JERSEY: ASPARAGUS, CABBAGE AND LETTUCE FOR FRESH MARKET, BY COUNTIES, 1981-1982

County	Acres harvested					
	1981	1982	1981	1982	1981	1982
	Asparagus 1/		Cabbage		Lettuce	
NORTH DISTRICT:						
Morris	--	--	100	50	--	--
Warren	--	--	100	100	150	100
CENTRAL DISTRICT:						
Burlington	150	150	100	150	--	--
Mercer	--	--	50	50	--	--
Middlesex	--	--	100	100	--	--
Monmouth	--	--	400	500	100	100
SOUTH DISTRICT:						
Atlantic	--	--	550	450	300	250
Camden	100	100	--	50	--	--
Cumberland	150	200	1,200	1,000	2,000	2,000
Gloucester	600	550	300	250	150	150
Salem	450	400	250	300	100	200
Other counties	50	100	250	200	100	100
STATE	1,500	1,500	3,400	3,200	2,900	2,900

1/ Includes fresh market and processing.

NEW JERSEY: SWEET CORN, ONIONS AND PEPPERS FOR FRESH MARKET, BY COUNTIES, 1981-1982

County	Acres harvested					
	1981	1982	1981	1982	1981	1982
	Sweet Corn		Onions dry		Peppers	
NORTH DISTRICT:						
Bergen	100	100	--	--	--	--
Essex	100	100	--	--	--	--
Hunterdon	200	350	--	--	--	--
Morris	450	400	--	--	--	--
Somerset	200	200	--	--	--	--
Sussex	500	500	--	--	--	--
Warren	600	650	50	50	--	--
CENTRAL DISTRICT:						
Burlington	2,600	2,400	--	--	100	100
Mercer	250	300	--	--	--	--
Middlesex	250	250	--	--	--	--
Monmouth	1,450	950	--	--	450	500
Ocean	200	300	--	--	--	--
SOUTH DISTRICT:						
Atlantic	500	600	1/	1/	600	600
Camden	600	600	--	--	150	200
Cape May	300	300	--	--	--	--
Cumberland	500	400	400	350	1,500	1,500
Gloucester	700	700	1/	1/	1,800	1,800
Salem	500	500	50	50	1,600	1,600
Other counties	100	--	150	150	300	300
STATE	10,100	9,600	650	600	6,500	6,600

1/ Included with other counties to avoid disclosure of individual operations.

NEW JERSEY: MONTHLY UNLOADS OF MARKET VEGETABLES AT 23 U.S. CITIES, 1980-1982 1/

Crop and year 2/	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Season totals
						-- 1,000 cwt. --							
ASPARAGUS:													
1980-81	--	4	2	--	--	--	--	--	--	--	--	--	6
1981-82	1	3	2	--	--	--	--	--	--	--	--	--	6
1982-83	--	3	2	--	--	--	--	--	--	--	--	--	5
BEANS, all:													
1980-81	--	--	16	31	10	21	13	--	--	--	--	--	91
1981-82	--	--	14	29	17	26	10	--	--	--	--	--	96
1982-83	--	--	10	29	19	22	12	--	--	--	--	--	92
BEETS:													
1980-81	--	--	3	2	1	3	3	2	1	--	--	--	15
1981-82	--	--	5	3	3	3	3	2	1	--	--	--	20
1982-83	--	--	3	3	2	2	3	3	1	--	--	--	17
BROCCOLI:													
1980-81	--	--	--	--	--	--	1	1	--	--	--	--	2
1981-82	--	--	--	--	--	2	2	2	--	--	--	--	6
1982-83	--	--	--	--	--	2	3	1	--	--	--	--	6
CABBAGE:													
1980-81	--	1	62	81	33	28	54	26	3	--	--	--	288
1981-82	--	1	67	81	38	41	40	34	14	--	--	--	316
1982-83	--	--	51	68	47	39	41	43	13	--	--	--	302
CANTALOUPS:													
1980-81	--	--	--	9	15	1	--	--	--	--	--	--	25
1981-82	--	--	--	18	17	1	--	--	--	--	--	--	36
1982-83	--	--	--	9	21	2	--	--	--	--	--	--	32
CELERY:													
1980-81	--	--	--	2	4	2	1	1	--	--	--	--	10
1981-82	--	--	--	--	2	--	1	--	--	--	--	--	3
1982-83	--	--	--	1	--	1	--	--	--	--	--	--	2
CORN, sweet:													
1980-81	--	--	1	70	44	7	--	--	--	--	--	--	122
1981-82	--	--	2	83	36	11	--	--	--	--	--	--	132
1982-83	--	--	1	65	41	19	4	--	--	--	--	--	130
CUCUMBERS:													
1980-81	--	--	13	97	57	28	6	1	--	--	--	--	202
1981-82	--	--	16	106	44	33	10	1	--	--	--	--	210
1982-83	--	--	14	104	67	39	15	1	--	--	--	--	240
EGGPLANT:													
1980-81	--	--	--	10	29	23	14	--	--	--	--	--	76
1981-82	--	--	--	10	33	34	15	1	--	--	--	--	93
1982-83	--	--	--	7	31	28	14	1	--	--	--	--	81
ESCAROLE:													
1980-81	--	5	29	16	11	10	22	12	--	--	--	--	105
1981-82	--	3	27	17	14	16	21	15	1	--	--	--	114
1982-83	--	--	18	18	14	13	16	12	--	--	--	--	91
LETTUCE:													
1980-81	--	15	77	48	14	6	59	18	--	--	--	--	237
1981-82	--	21	81	28	15	18	42	37	2	--	--	--	244
1982-83	--	13	86	24	18	19	54	25	1	--	--	--	240
ONIONS:													
1980-81	--	--	--	10	11	3	2	--	--	--	--	--	26
1981-82	--	--	--	15	7	4	4	2	--	--	--	--	32
1982-83	--	--	--	9	9	4	--	--	--	--	--	--	22
PEPPERS:													
1980-81	--	--	1	29	64	29	19	2	--	--	--	--	144
1981-82	--	--	--	28	55	39	21	3	--	--	--	--	146
1982-83	--	--	1	28	67	37	20	3	--	--	--	--	156
SPINACH:													
1980-81	15	19	10	4	--	4	12	10	3	--	--	--	77
1981-82	15	18	9	3	1	5	11	9	4	--	--	--	75
1982-83	12	22	12	2	1	5	11	11	4	--	--	--	80
TOMATOES:													
1980-81	--	--	--	59	42	14	4	--	--	--	--	--	119
1981-82	--	--	1	65	61	24	6	1	--	--	--	--	158
1982-83	--	--	1	46	71	30	9	--	--	--	--	--	157

1/ See page 53 for conversion factors.
2/ Unloads for 41 cities prior to October 1981.

SOURCE: Fruit & Vegetable Market News Service, C&MS, U.S. Department of Agriculture.

NEW JERSEY: FRUIT AND BERRY CROP SUMMARY, 1982

Utilized production of the five major fruit and berry crops in New Jersey amounted to 284,400,000 pounds, up 18 percent from 1981. Production of apples, blueberries, cranberries and strawberries was higher while peach production was lower. Value of production of these five crops totaled $74.2 million in 1982, up 15 percent from a year earlier. Season average prices for peaches, blueberries and cranberries were above 1981 prices while apple and strawberry prices were lower. Peaches continued to rank number one in value of production. Blueberries placed a close second followed by apples, cranberries and strawberries in that order.

Peach production in the Garden State decreased to 80 million pounds compared to 90 million pounds in 1981. Severe winter damage and April freezes hurt production. Some areas of south Jersey were hardest hit. Weather conditions were generally good during the growing season and peach size and quality were good. The season average price of 27.60 cents per pound in 1982 was up 3.7 cents from 1981 and a record high. Value of production totaled $22.1 million, up 3 percent from the preceding year.

Gloucester was the leading peach producing county in the State with 35.0 million pounds. Atlantic ranked second with 13.0 million pounds and Cumberland and Camden were third and fourth with 9.0 and 8.0 million pounds respectively.

Apple production reached 140 million pounds, up 47 percent from the 95.0 million pounds produced in 1981 and the largest crop since 1959. Showers were timely for good apple sizing. Fruit was small in some orchards where thinning was inadequate. The season average price was 10.30 cents per pound, down 2.7 cents from 1981. Value of production for the 1982 crop increased to $14.4 million, up 17 percent from the previous year. Based on the 5 year tree count survey, Red Delicious apples accounted for 41.9 percent of the trees, Rome Beauty made up 14.4 percent, Stayman 10.4 and Golden Delicious 8.4 percent. The leading apple producing county was Gloucester with 42.0 million pounds, Burlington was second with 19.8, Monmouth and Atlantic tied for third with 13.0 million pounds each, Camden was next with 9.5 million pounds.

Blueberry production in New Jersey increased to a record 30 million pounds, up 7 percent from 1981. The area harvested was 7,500 acres, down 300 acres from 1981. Some areas had problems with gypsy moth and spring freezes but weather conditions during the growing season were good for berry production. Prices received by growers increased to 71.2 cents per pound, up 6.2 cents from the previous year. Value of production reached a record high $21.4 million, up 17 percent from 1981.

Strawberry production increased to 49,000 hundredweight, up 14 percent from 1981. Yield per acre increased to 49 hundredweight. Weather conditions during the growing season were generally favorable but excess rain did result in some production losses. Acres harvested increased 100 acres from 1981 to 1,000 acres. The season average price of $52.30 per hundredweight was down $16.30 from 1981. Value of production amounted to $2.6 million, down 13 percent from the previous year.

Cranberry production in New Jersey reached 295,000 barrels in 1982. This was up 29 percent from 1981 and a new record high. Acres harvested increased to 3,000, up 100 acres from 1981. Yield per acre averaged 98.3 barrels, up 19.7 barrels from 1981 and a record high for the state. Both bloom and set were above normal. Rainfall during the growing season was spotty but most bogs got sufficient amounts for berry sizing. The season average price was $46.50 per barrel, up $4.90 from 1981. Value of production reached a record $13.7 million, up 45 percent from 1981.

NEW JERSEY: FRUIT AND BERRY PRODUCTION, UTILIZATION AND VALUE, 1977-1982

Crop year	Production 1/		Utilization		Season average price per unit	Value of production
	Total	Utilized	Fresh 2/	Processed		
			APPLES (million pounds)		cents	thou. dol.
1977	130.0	130.0	67.0	63.0	9.60	12,480
1978	90.0	90.0	54.0	36.0	11.30	10,170
1979	110.0	110.0	58.0	52.0	10.60	11,660
1980	110.0	110.0	52.0	58.0	9.60	10,572
1981	95.0	95.0	55.0	40.0	13.00	12,330
1982	140.0	140.0	56.0	84.0	10.30	14,448
			PEACHES (million pounds)		cents	
1977	110.0	110.0	110.0	3/	17.00	18,700
1978	70.0	70.0	70.0	3/	23.60	16,520
1979	95.0	90.0	85.0	3/	16.90	15,210
1980	110.0	110.0	110.0	3/	20.80	22,880
1981	90.0	90.0	90.0	3/	23.90	21,488
1982	80.0	80.0	80.0	3/	27.60	22,084
			BLUEBERRIES (thousand pounds)		cents	
1977	22,869	22,869	10,879	11,990	59.1	13,514
1978	22,308	22,308	11,418	10,890	69.4	15,482
1979	23,400	23,400	17,400	6,000	59.0	13,806
1980	26,000	26,000	20,000	6,000	61.0	15,860
1981	28,000	28,000	20,700	7,300	65.0	18,200
1982	30,000	30,000	22,000	8,000	71.2	21,360
			STRAWBERRIES (thousand cwt.)		dollars	
1977	39	39	39	--	49.60	1,934
1978	50	50	50	--	43.20	2,160
1979	34	34	34	--	40.00	1,360
1980	38	38	38	--	61.40	2,333
1981	43	43	43	--	68.60	2,950
1982	49	49	49	--	52.30	2,563
			CRANBERRIES (thousand barrels) 4/		dollars 5/	
1977	157.0	157.0	--	153.4	18.80	2,952
1978	223.0	223.0	--	218.5	21.70	4,839
1979	253.0	253.0	--	248.0	26.90	6,806
1980	245.0	245.0	--	240.1	33.20	8,134
1981	228.0	228.0	--	223.5	41.60	9,485
1982	295.0	295.0	--	289.0	46.50	13,718

1/ Differences between total quantity and that having value are economic abandonment or excess cullage of mature fruit. For cranberries, differences also include the quantity set aside under the Cranberry Marketing Order.
2/ Includes quantities used in farm household or given away.
3/ Included in fresh utilization.
4/ Excludes cranberries paid for by the processor but lost because of dehydration and berry breakdown after delivery.
5/ Equivalent returns at first delivery point, screened basis of utilized production.

NEW JERSEY: MONTHLY UNLOADS OF APPLES AND PEACHES AT 23 U.S. CITIES, 1979-1983 1/

Crop & year 2/	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Season totals
	-- 1,000 cwt. --												
APPLES:													
1979-80	7	7	29	15	5	2	2	3	3	6	3	1	83
1980-81	4	6	20	11	5	4	4	4	5	4	4	3	74
1981-82	3	5	30	20	2	2	1	2	3	2	4	2	76
1982-83	3	4	29	23	6	2	3	2	3	5	4	1	85
PEACHES:													
1979-80	25	170	128	3	--	--	--	--	--	--	--	--	326
1980-81	35	145	163	8	--	--	--	--	--	--	--	--	351
1981-82	30	168	123	3	--	--	--	--	--	--	--	--	324
1982-83	16	153	147	8	--	--	--	--	--	--	--	--	324

1/ See page 53 for conversion factors.
2/ Unloads for 41 cities prior to October 1981.

SOURCE: Fruit and Vegetable Market News Service, U.S.D.A.

NEW JERSEY: APPLE AND PEACH PRODUCTION, BY COUNTIES, 1979-1982 1/

County	Apples, commercial crop 2/				Peaches			
	1979	1980	1981	1982 3/	1979	1980	1981	1982 3/
	-- million pounds --							
NORTH DISTRICT:								
Bergen	.6	1.7	1.0	1.5	.9	1.5	1.4	1.1
Hunterdon	1.0	1.8	1.6	3.0	.6	1.1	1.0	.9
Morris	.8	1.5	1.1	1.8	.5	.4	.3	.3
Somerset	.6	.8	.5	1.0	--	--	--	--
Sussex	2.8	3.5	3.0	3.5	.4	.6	.5	.6
Warren	3.0	5.0	3.0	4.1	.4	.6	.4	.4
CENTRAL DISTRICT:								
Burlington	15.5	16.0	13.6	19.8	7.0	9.0	7.0	5.2
Mercer	1.3	1.3	1.5	3.0	.2	.3	1.2	1.3
Middlesex	6.0	6.5	6.6	8.9	1.1	1.3	.7	1.0
Monmouth	16.0	15.0	10.0	13.0	2.5	2.6	3.0	2.2
SOUTH DISTRICT:								
Atlantic	9.0	11.0	8.0	13.0	13.0	14.5	15.0	13.0
Camden	12.0	11.0	5.0	9.5	8.0	11.7	7.0	8.0
Cumberland	4.1	4.0	4.5	8.5	6.6	10.5	10.0	9.0
Gloucester	30.6	25.7	30.8	42.0	52.0	53.4	40.2	35.0
Salem	--	--	4.8	6.9	--	--	--	--
Other counties	6.7	5.2	.5	.5	1.8	2.5	2.3	2.0
STATE	110.0	110.0	95.0	140.0	95.0	110.0	90.0	80.0

1/ Includes quantities not sold or utilized for some years.
2/ In orchards of 100 or more bearing trees.
3/ Preliminary.

NEW JERSEY: NUMBER OF COMMERCIAL APPLE GROWERS, TREE NUMBERS AND ACREAGE BY COUNTIES, 1982

County	Number of growers	Number of trees	Acres of trees	Trees per acre	Trees per grower
North:					
Bergen	5	4,526	80.0	56.6	905
Hunterdon	14	7,989	141.4	56.5	571
Morris	13	5,394	101.8	53.0	415
Sussex	8	9,087	312.0	29.1	1,136
Warren	13	10,808	226.1	47.8	831
Central:					
Burlington	18	73,719	853.8	86.3	4,096
Mercer	8	15,582	139.0	112.1	1,948
Middlesex	7	24,924	370.0	67.4	3,561
Monmouth	11	44,825	616.3	72.7	4,075
South:					
Atlantic	23	41,835	657.0	63.7	1,819
Camden	13	22,693	358.9	63.2	1,746
Cumberland	6	24,940	325.0	76.7	4,157
Gloucester	44	162,552	1,965.4	82.7	3,694
Salem	4	21,115	267.0	79.1	5,279
Other counties	6	2,006	45.0	44.6	334
STATE TOTALS	193	471,995	6,458.7	73.1	2,446

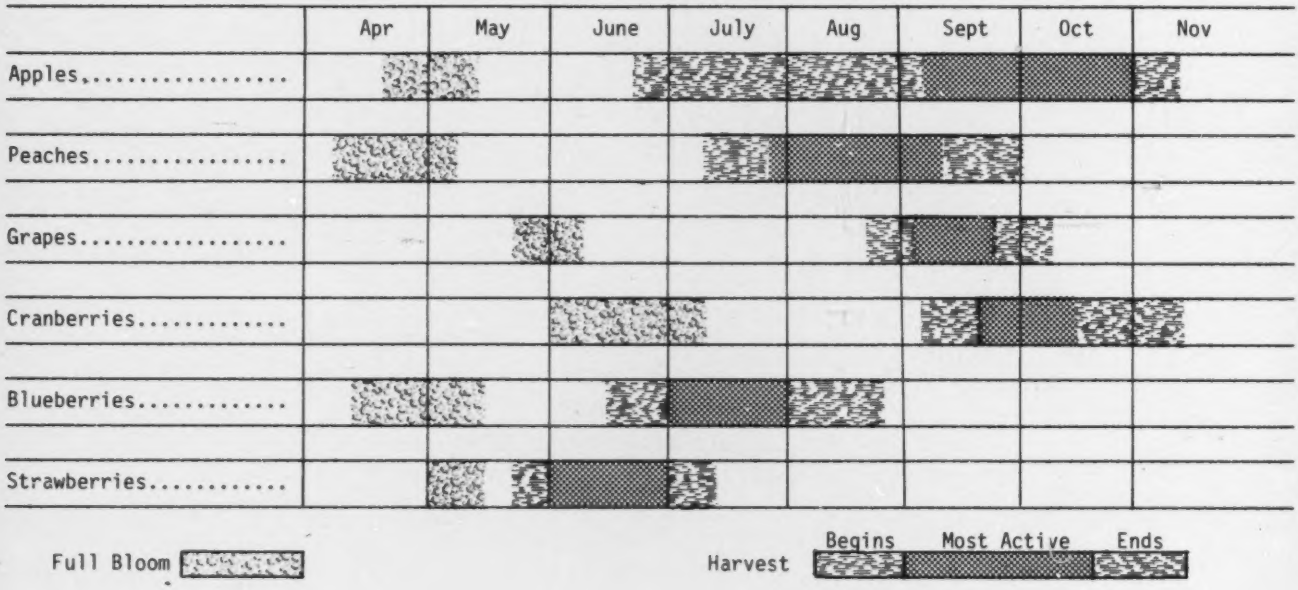
NEW JERSEY: NUMBER OF COMMERCIAL PEACH GROWERS, TREE NUMBERS AND ACREAGE BY COUNTIES, 1982

County	Number of growers	Number of trees	Acres of trees	Trees per acre	Trees per grower
North:					
Bergen	4	6,374	61.1	104.3	1,594
Hunterdon	12	6,056	97.5	62.1	505
Morris	8	3,173	39.0	81.4	397
Sussex	7	5,386	177.0	60.6	736
Warren	13	5,386	177.0	30.4	414
Central:					
Burlington	23	64,016	726.9	88.1	2,783
Mercer	5	1,951	24.0	81.3	390
Middlesex	6	7,206	98.5	73.2	1,201
Monmouth	12	22,379	253.9	88.1	1,865
South:					
Atlantic	31	211,399	2,169.5	97.4	6,819
Camden	13	100,389	917.0	109.5	7,722
Cumberland	10	109,503	1,075.7	101.8	10,950
Gloucester	59	728,607	6,575.5	110.8	12,349
Salem	2	26,150	323.0	81.0	13,075
Other counties	5	2,926	40.5	72.2	585
STATE TOTALS	210	1,300,670	12,664.1	102.7	6,194

NEW JERSEY: BLUEBERRIES, BY COUNTIES, 1981-1982

County	Acres harvested	Production (pounds)		Acres harvested	Production (pounds)	
		Per acre	Total		Per acre	Total
	1981			1982		
Burlington	3,100	3,000	9,300,000	3,000	3,095	9,285,000
Atlantic	3,900	4,300	16,780,000	3,700	4,950	18,315,000
Other counties	800	2,400	1,920,000	800	3,000	2,400,000
STATE	7,800	3,590	28,000,000	7,500	4,000	30,000,000

NEW JERSEY: FRUITS AND BERRIES, USUAL FULL BLOOM AND HARVESTING DATES



NEW JERSEY: STRAWBERRY ACREAGE, BY COUNTIES, 1977-1982

County	Acres harvested					
	1977	1978	1979	1980	1981	1982
CENTRAL DISTRICT:						
Burlington	150	100	100	100	100	150
Monmouth	100	150	150	150	100	100
SOUTH DISTRICT:						
Atlantic	150	150	100	1/	1/	1/
Camden	50	50	50	100	100	150
Cumberland	200	200	200	200	200	200
Gloucester	100	200	200	150	100	150
Other counties	150	150	100	200	300	250
STATE	900	1,000	900	900	900	1,000

1/ Included with other counties.

CRANBERRY ACREAGE AND PRODUCTION, BY STATES, 1977-1982

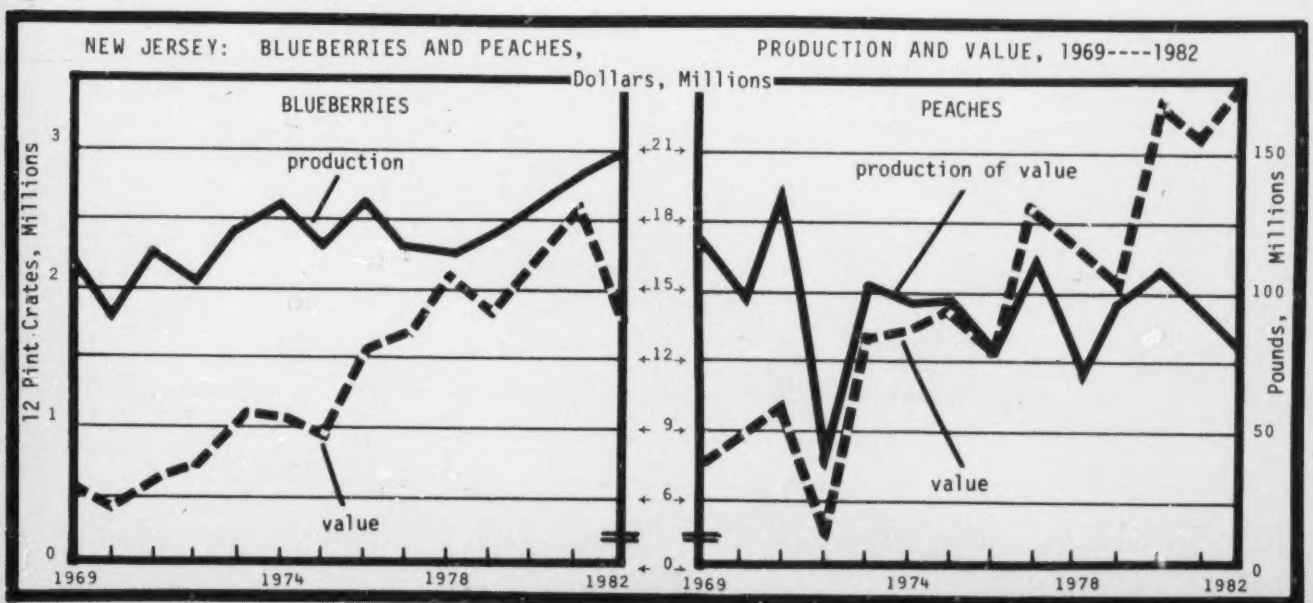
State	1977	1978	1979	1980	1981	1982
			-- acres harvested --			
NEW JERSEY	3,000	3,000	3,000	2,900	2,900	3,000
Massachusetts	11,200	11,200	11,200	11,200	11,200	11,200
Wisconsin	6,400	7,000	7,100	7,200	7,100	7,100
Washington	1,100	1,100	1,100	1,100	1,100	1,100
Oregon	840	820	800	790	850	810
TOTAL, 5 states	22,540	23,120	23,200	23,190	23,150	23,210
			-- barrels per acre --			
NEW JERSEY	52.3	74.3	84.3	84.5	78.6	98.3
Massachusetts	78.1	105.4	96.4	105.8	104.6	116.1
Wisconsin	133.4	117.4	126.9	150.0	136.3	183.1
Washington	123.6	126.4	133.6	94.5	117.3	81.8
Oregon	95.5	115.2	118.1	105.7	112.9	80.2
TOTAL, 5 states	93.3	106.3	106.7	116.3	112.0	131.4
			-- production --			
NEW JERSEY	157,000	223,000	253,000	245,000	228,000	295,000
Massachusetts	875,000	1,180,000	1,080,000	1,185,000	1,172,000	1,300,000
Wisconsin	854,000	822,000	901,000	1,080,000	968,000	1,300,000
Washington	136,000	139,000	147,000	104,000	129,000	90,000
Oregon	80,200	94,500	94,500	83,500	96,000	65,000
TOTAL, 5 states	2,102,200	2,458,500	2,475,500	2,697,500	2,593,000	3,050,000

NEW JERSEY: MONTHLY UNLOADS OF STRAWBERRIES AND BLUEBERRIES AT 23 U.S. CITIES, 1980-1982 1/

Year	Strawberries				Blueberries				
	May	June	July	Season totals	June	July	Aug.	Sept.	Season totals
				-- 1,000 cwt. --					
1980 2/	1	1	--	2	10	74	24	--	108
1981 2/	--	1	--	1	16	89	21	--	126
1982	--	1	--	1	6	70	26	1	103

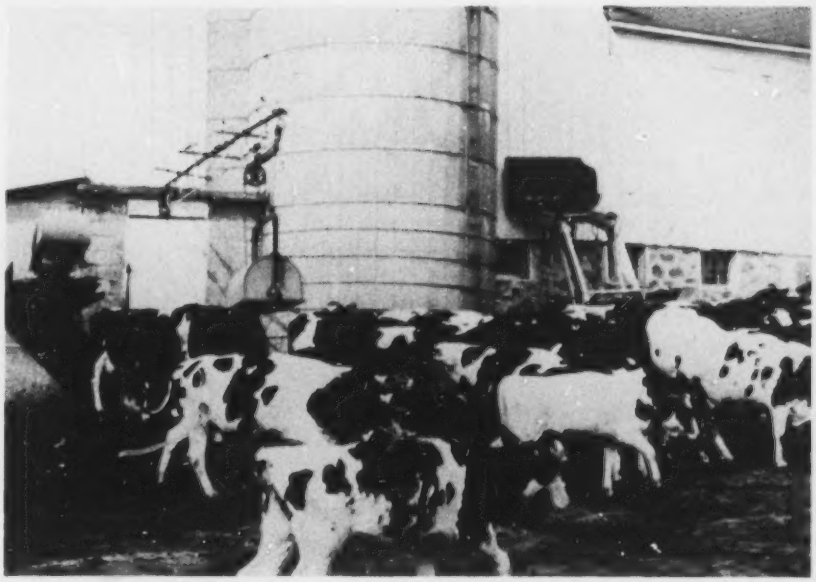
1/ See page 53 for conversion factors.
2/ Unloads for 41 cities prior to October 1981.

SOURCE: Fruit & Vegetable Market News Service, USDA



NEW JERSEY: LIVESTOCK, DAIRY AND POULTRY SUMMARY, 1982

Cattle and calves on New Jersey farms totaled 100,000 head on January 1, 1983, the same as last year and equal to the lowest January 1 inventory on record. The average value per head, at $715, was $110 below last year's value per head. Total inventory was valued at $71.5 million, 13 percent below the previous year.



There were 40,000 milk cows and 12,000 beef cows on farms January 1, 1983 compared to 41,000 milk cows and 14,000 beef cows last year. The 52,000 head accounted for 52 percent of the total inventory. Heifers weighing 500 pounds or more were 22 percent of the total inventory, or 22,000 head -- 3,000 above a year earlier. Of these, milk cow replacements numbered 14,000, beef cow replacements 6,000 and the remaining 2,000 heifers were intended for slaughter.

A total of 492 million pounds of milk was produced in the Garden State during 1982, 2 million pounds less than the previous year's production level. The average number of milk cows in 1982 was 40,000, down 1,000 from 1981. Average annual production per cow increased from 12,049 pounds in 1981 to 12,300 pounds in 1982.

The top five milk producing counties for 1982 were: Warren, 120.0 million pounds; Sussex, 87.7 million pounds; Salem, 82.9 million pounds; Hunterdon, 71.0 million pounds; and Burlington, 53.2 million pounds. These five counties accounted for 84 percent of New Jersey's total milk production.

There were 50,000 hogs and pigs on New Jersey farms on December 1, 1982, 11 percent above the previous year. The average value per head, at $103.50, was $23.50 above a year earlier. Total inventory was valued at $5.2 million, 44 percent above the previous year. Hog and pig marketings decreased from 95,000 head in 1981 to 55,000 in 1982. The average annual price per hundredweight increased from $43.10 in 1981 to $54.40 in 1982.

Sheep and lamb inventory in New Jersey totaled 10,000 head as of January 1, 1983 -- 300 head more than a year earlier. The average value per head increased from $93.50 to $112.00. Total inventory value of all sheep and lambs increased from $907,000 to $1,120,000. Cash receipts from marketings during 1982 totaled $141,000, down 15 percent from 1981.

Egg production in 1982 totaled 276 million eggs -- 15 million less than the previous year. Eggs per layer increased to 230 in 1982 compared to 222 in 1981 and 223 in 1980. The average number of layers on Garden State farms decreased to 1,202,000 birds, down 110,000 from the previous year.

During 1982, New Jersey poultrymen received an average of 65.0 cents per dozen eggs compared with 66.0 cents in 1981. These prices include the average price received by poultrymen for wholesale and retail sales of all sizes and grades of eggs.

Sales of chickens (excluding meat chickens) increased to 1,100,000 birds in 1982, up 100,000 from the 1,000,000 birds sold in 1981. The average price received by growers in 1982 was 10.0 cents per pound, down 1.0 cent from 1981.

Turkey production in the Garden State increased from 70,000 in 1981 to 75,000 in 1982. Heavy breeds produced remained at 60,000, while light breeds increased to 15,000, up 5,000 from 1981. The average price received by Garden State turkey growers increased to 82.0 cents per pound liveweight -- up 10 cents from the 1981 average price of 72.0 cents.

NEW JERSEY: LIVESTOCK ON FARMS AND VALUE, JANUARY 1, 1980-1983

Item	Unit	Number or value			
		1980	1981	1982	1983
		-- thousands --			
All cattle and calves	No.	100	104	100	100
Total value	Dol.	76,500	88,920	82,500	71,500
Cows and heifers that have calved:					
Beef cows	No.	12	14	14	12
Milk cows	No.	41	42	41	40
Heifers:					
Beef cow replacements	No.	3	4	4	6
Milk cow replacements	No.	15	14	14	14
Other	No.	2	3	1	2
Steers, bulls and heifers:					
Steers, 500 pounds and over	No.	6	6	5	5
Bulls, 500 pounds and over	No.	2	2	2	2
Steers, heifers and bulls, under 500 lbs.	No.	19	19	19	19
All hogs and pigs 1/	No.	69	68	45	50
Total value 1/	Dol.	4,209	5,270	3,600	5,175
Sheep and lambs	No.	9.3	9.5	9.7	10.0
Total value	Dol.	777	760	907	1,120
Ewes, 1 year and older	No.	6.8	6.9	6.8	6.8
Rams and wethers, 1 year and older	No.	.6	.6	.5	.5
Ewe lambs	No.	1.3	1.4	1.6	1.8
Wether and ram lambs	No.	.6	.6	.8	.9

1/ Estimates are for December 1, preceding year.

NEW JERSEY: ALL CATTLE, SHEEP AND HOGS, NUMBER ON FARMS, BY COUNTIES, JANUARY 1, 1982-1983

County	Cattle and calves		Sheep and lambs		Hogs and pigs 1/	
	1982	1983	1982	1983	1982	1983
NORTH DISTRICT:						
Hunterdon	17,000	16,900	2,500	2,500	2,100	2,400
Morris	2,000	2,000	450	500	300	300
Somerset	6,300	6,200	1,500	1,500	900	900
Sussex	15,600	15,600	1,900	2,100	1,400	2,000
Warren	19,800	19,900	800	800	900	600
CENTRAL DISTRICT:						
Burlington	9,500	9,400	500	500	3,800	4,200
Mercer	1,600	1,600	500	500	700	800
Middlesex	1,200	1,200	--	--	800	800
Monmouth	2,500	2,500	300	300	1,900	1,700
Ocean	2,100	2,100	--	--	2,400	3,000
SOUTH DISTRICT:						
Atlantic	--	--	--	--	1,200	1,200
Cape May	--	--	--	--	1,900	2,000
Cumberland	2,500	2,500	200	200	2,700	3,000
Gloucester	3,100	3,100	200	200	21,000	24,000
Salem	16,000	16,000	450	500	2,700	3,000
Other counties	800	1,000	400	400	300	100
STATE	100,000	100,000	9,700	10,000	45,000	50,000

1/ Estimates are for December 1, preceding year.

NEW JERSEY: LIVESTOCK PRODUCTION, DISPOSITION AND INCOME, 1978-1982

Item	Unit	1978	1979	1980	1981	1982
CATTLE AND CALVES:						
Calf crop	No.	50,000	46,000	49,000	45,000	43,000
Inshipments 1/	No.	5,000	4,000	4,000	5,000	4,000
Marketings: 2/						
Cattle	No.	27,000	23,000	16,000	19,000	12,000
Calves	No.	28,000	23,000	26,000	27,000	26,000
Price per hundredweight:						
Cattle	Dol.	36.70	52.00	48.20	43.30	42.70
Calves	Dol.	55.70	94.70	92.80	84.20	70.80
Cash receipts 3/	Thou. dol.	14,689	18,669	15,822	16,792	11,186
Gross income 4/	Thou. dol.	16,230	21,331	18,309	19,026	13,088
HOGS AND PIGS:						
Pig crop	No.	45,000	48,000	42,000	30,000	32,000
Inshipments 1/	No.	50,000	47,000	47,000	50,000	40,000
Marketings 2/	No.	89,000	82,000	78,000	95,000	55,000
Price per hundredweight	Dol.	44.00	41.30	35.70	43.10	54.40
Cash receipts 3/	Thou. dol.	8,424	7,062	5,648	8,430	6,104
Gross income 4/	Thou. dol.	9,198	7,789	6,323	8,999	6,822
SHEEP AND LAMBS:						
Lamb crop	No.	7,800	7,800	7,800	7,600	7,800
Inshipments 1/	No.	--	600	600	500	700
Marketings: 2/						
Sheep	No.	1,200	1,900	1,700	1,900	2,200
Lambs	No.	4,000	4,100	4,300	3,500	3,400
Price per hundredweight:						
Sheep	Dol.	27.50	37.00	32.00	32.10	27.80
Lambs	Dol.	51.00	60.00	58.00	46.10	41.50
Cash receipts 3/	Thou. dol.	184	247	211	164	141
Gross income 4/	Thou. dol.	236	339	280	213	229
WOOL:						
Sheep shorn	No.	7,400	8,500	8,700	8,900	8,000
Weight per fleece	Lb.	7.0	6.8	6.9	6.8	7.1
Wool produced	Lb.	52,000	58,000	60,000	61,000	57,000
Price per pound 5/	Dol.	0.74	0.82	0.73	0.79	0.40
Value 5/	Thou. dol.	38	48	44	48	23

1/ Does not include inshipments for slaughter.
2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
3/ Receipts from marketings and sales of farm slaughter.
4/ Includes value of meat used in farm households.
5/ Does not include incentive payments.

NEW JERSEY: SOWS FARROWED AND PIG CROP, 1978-1982

Year	December 1/ - May			June - November			Total pig crop (thou.)
	Sows farrowed (thou.)	Pigs per litter	Pig crop (thou.)	Sows farrowed (thou.)	Pigs per litter	Pig crop (thou.)	
1978	3.4	6.0	20	4.0	6.2	25	45
1979	4.4	6.4	28	3.2	6.4	20	48
1980	3.4	5.9	20	3.4	6.5	22	42
1981	2.5	5.8	15	2.8	5.3	15	30
1982	3.0	5.3	16	2.5	6.3	16	32

1/ December preceding year.

NEW JERSEY: LIVESTOCK SLAUGHTERED IN COMMERCIAL PLANTS, BY QUARTERS, 1982 1/

Quarters	Cattle		Calves		Hogs		Sheep and lambs	
	Thou. head	Thou. pounds liveweight	Thou. head	Thou. pounds liveweight	Thou. head	Thou. pounds liveweight	Thou. head	Thou. pounds liveweight
January-March	36.9	46,465	23.5	6,928	71.2	15,887	7.7	755
April-June	36.6	46,192	23.9	7,477	55.3	12,131	9.5	782
July-Sept	38.2	47,976	21.4	6,662	59.2	13,140	8.5	825
Oct-Dec	37.9	47,441	26.7	8,521	72.3	15,020	10.1	985
TOTAL	149.5	188,073	95.5	29,588	258.0	56,178	35.8	3,347

1/ Includes slaughter in Federally inspected and other slaughter plants, but excludes animals slaughtered on farms.

NEW JERSEY: PASTURE CONDITION AS PERCENTAGE OF NORMAL, 1978-1982 1/

Year	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1
1978	75	72	89	91	80	86	85	78
1979	86	88	93	90	86	86	84	86
1980	83	87	91	72	56	52	34	86
1981	71	83	88	90	74	69	78	77
1982	75	85	88	90	81	78	74	73

1/ Percent of normal for the date as reported on monthly surveys.

NEW JERSEY: GRAIN CONCENTRATES FED DAILY TO DAIRY COWS, SPECIFIED DATES, 1978-1982

Year	January	April	July	October
	-- pounds per cow --			
1978	14.1	13.0	12.5	13.0
1979	13.0	14.1	12.6	13.2
1980	13.6	14.2	13.8	14.1
1981	13.1	13.4	13.6	13.2
1982	13.7	13.7	13.8	13.3

NEW JERSEY: MILK PRODUCTION, DISPOSITION AND INCOME, 1977-1982

Item	Unit	1977	1978	1979	1980	1981	1982
Milk cows 1/	No.	47,000	45,000	41,000	41,000	41,000	40,000
Milk per cow	Lb.	11,681	11,667	12,049	12,049	12,049	12,300
Total milk production	Mil. lb.	549	525	494	494	494	492
Disposition of milk produced:							
Used on farms	Mil. lb.	9	11	10	10	10	9
Sold to plants and dealers	Mil. lb.	520	490	463	466	467	467
Sold directly to consumers	Mil. lb.	20	24	21	18	17	16
Prices received for milk by farmers:							
Sold to plants and dealers (per cwt.)	Dol.	10.20	11.10	12.50	13.38	14.10	13.90
Sold directly to consumers (per qt.)	Cents	36.0	41.0	41.0	43.0	46.0	47.0
	-- thousand dollars --						
Cash receipts from milk:							
Sold to plants and dealers		53,040	54,390	57,875	62,351	65,847	64,913
Sold directly to consumers		3,349	4,577	4,004	3,600	3,637	3,498
Total		56,389	58,967	61,879	65,951	69,484	68,411
Gross income (includes home use)		56,702	59,426	62,390	66,096	70,058	68,694
Total value (includes fed to calves)		57,316	60,218	63,133	67,332	70,938	69,667

1/ Average number on farms during the year (in milk and dry).

NEW JERSEY: MANUFACTURED DAIRY PRODUCTS, 1977-1982

Products	Quantity of products made					
	1977	1978	1979	1980	1981	1982
	-- thousand pounds --					
Cheese 1/	15,492	21,788	25,569	28,326	61,166	66,326
	-- thousand gallons --					
Ice cream:						
Hard	9,048	3,704	3,515	7,927	10,025	12,584
Soft	2,604	2,133	2,232	3,383	5,745	7,608
Total	11,652	5,837	5,747	11,310	15,770	20,192
Ice milk	3,292	2,284	3,040	3,697	3,498	4,649
Milk sherbet	406	216	194	318	343	407
Water ices	609	183	161	210	161	142
Ice cream mix	6,053	2,879	2,793	7,785	10,287	13,401
All other mix	1,986	1,981	1,893	3,162	2,782	3,165

Products	Equivalent whole milk used (thousand pounds)					
Cheese	61,973	87,398	102,826	114,536	110,327	128,260
Ice cream and other frozen products	209,703	106,504	110,978	202,240	268,447	349,613
Other milk products	297	352	353	328	327	354,152
Total	271,973	194,254	214,157	317,104	379,101	832,025
Duplications	19,399	19,314	21,879	28,175	30,824	64,951
Net total	252,574	174,940	192,278	288,929	348,277	767,074

1/ Excludes cottage cheese.

NEW JERSEY: MILK COWS AND MILK PRODUCTION, BY COUNTIES, 1981-1982

County	Average number of milk cows	Milk per cow (lbs.)	Total milk production (thou. lbs.)	Average number of milk cows	Milk per cow (lbs.)	Total milk production (thou. lbs.)
		1981			1982	
NORTH DISTRICT:						
Hunterdon	6,000	12,100	72,600	5,800	12,240	71,000
Morris	500	11,600	5,800	400	11,250	4,500
Somerset	2,400	12,040	28,900	2,000	12,050	24,100
Sussex	7,000	12,290	86,000	7,100	12,350	87,700
Warren	9,800	12,080	118,400	9,800	12,250	120,000
CENTRAL DISTRICT:						
Burlington	4,600	11,850	54,500	4,300	12,370	53,200
Mercer 1/	--	--	--	--	--	--
Middlesex 1/	--	--	--	--	--	--
Monmouth	900	11,560	10,400	900	12,000	10,800
SOUTH DISTRICT:						
Cumberland	800	11,880	9,500	800	12,500	10,000
Gloucester	1,300	11,620	15,100	1,300	12,000	15,600
Salem	6,700	12,070	80,900	6,600	12,560	82,900
Other counties	1,000	11,900	11,900	1,000	12,200	12,200
STATE	41,000	12,049	494,000	40,000	12,300	492,000

1/ Included in other counties.

NEW JERSEY: NUMBER OF LIVESTOCK FARMS BY SPECIES, 1977-1982

Year	Cattle	Milk cow	Hog	Sheep
	-- number of farms --			
1977	2,800	1,000	800	500
1978	2,800	950	860	550
1979	2,800	950	900	650
1980	2,700	900	950	750
1981	2,800	900	1,000	750
1982	2,900	900	900	700

NEW JERSEY: POULTRY ON FARMS AND VALUE, DECEMBER 1, 1978-1982

Class	Number or value				
	1978	1979	1980	1981	1982
	-- thousands --				
All chickens (excl. meat chickens)	1,728	1,555	1,400	1,500	1,218
Hens	885	597	735	592	575
Pullets of laying age	665	740	547	745	515
Hens and pullets of laying age	1,550	1,337	1,282	1,337	1,090
Pullets over 3 months, not laying	125	208	66	117	107
Pullets under 3 months	47	5	45	40	11
Other chickens	6	5	7	6	10
TOTAL VALUE	$3,024	$2,877	$2,730	$2,775	$2,862

NEW JERSEY: POULTRY PRODUCTION, DISPOSITION AND INCOME, 1978-1982 1/

Item	Unit	1978	1979	1980	1981	1982
EGGS:						
Number of layers 2/	Thou.	1,716	1,483	1,252	1,312	1,202
Eggs per layer	No.	219	231	223	222	230
Eggs produced	Mil.	375	342	279	291	276
Eggs sold	Mil.	374	341	277	289	274
Price per dozen	Cents	56.8	63.0	58.0	66.0	65.0
Cash receipts	Thou. dol.	17,703	17,968	13,388	15,895	14,842
Gross income 3/	Thou. dol.	17,750	18,073	13,485	16,005	14,950
CHICKENS: 4/						
Number raised	Thou.	1,385	1,217	1,200	1,328	984
Number sold	Thou.	1,400	1,200	1,147	1,000	1,100
Pounds sold	Thou.	5,880	5,040	4,817	4,200	4,730
Price per pound	Cents	10.9	13.7	11.0	11.0	10.0
Cash receipts	Thou. dol.	641	689	530	462	473
Gross income 3/	Thou. dol.	652	710	545	477	486
TURKEYS:						
Number raised - total	Thou.	58	59	69	70	75
Heavy breeds	Thou.	43	44	59	60	60
Light breeds	Thou.	15	15	10	10	15
Pounds produced 5/	Thou.	1,270	1,298	1,428	1,442	1,418
Price per pound	Cents	60.0	57.0	67.0	72.0	82.0
Gross income 3/	Thou. dol.	762	740	957	1,038	1,163
POULTRY AND EGGS:						
Gross income 3/	Thou. dol.	19,164	19,523	14,987	17,520	16,599

1/ Excludes meat-type birds, e.g., broilers, fryers, roasters, heavy pullets, capons and rock cornish.
2/ Average number on hand during year.
3/ Includes value of production used in farm households.
4/ Includes farm and commercial operations, but excludes meat chickens.
5/ Includes home consumption.

NEW JERSEY: LAYERS, EGGS PER LAYER AND EGG PRODUCTION, BY QUARTER, 1981 and 1982

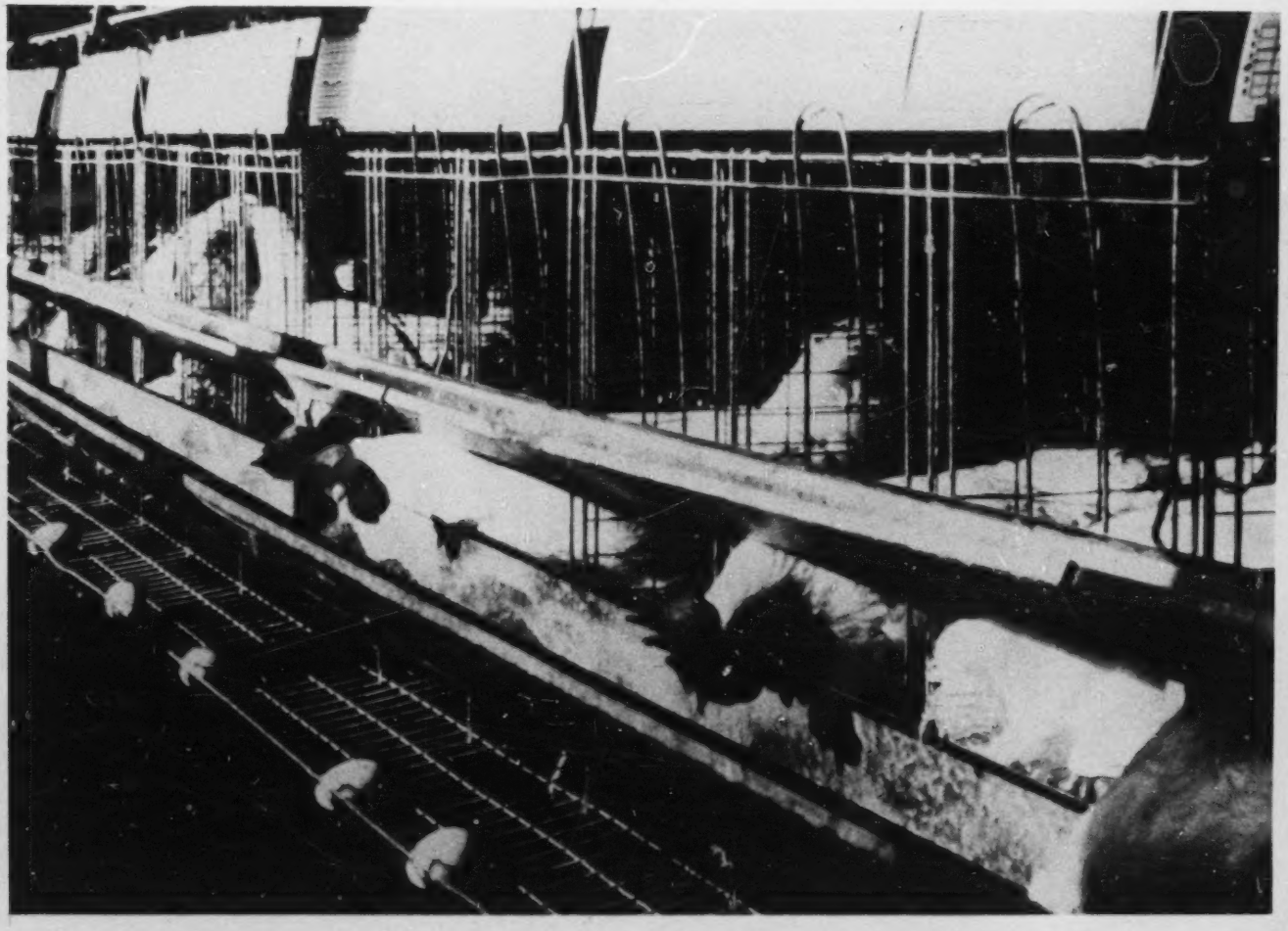
Month	Average number of layers			Eggs per layer		Total egg production		
	1981 (thou.)	1982 (thou.)	1982 as percent of 1981	1981	1982	1981 (mil.)	1982 (mil.)	1982 as percent of 1981
December1/-February	1,298	1,307	101	53.16	52.79	69	69	100
March-May	1,332	1,266	95	59.31	61.00	79	77	97
June-August	1,286	1,144	89	56.77	59.34	73	68	93
September-November	1,333	1,090	82	52.51	56.97	70	62	89

1/ December preceding year.

NEW JERSEY: BEES AND HONEY, NUMBER OF COLONIES, PRODUCTION AND VALUE, 1975-1982

Year	Bees		Honey			Beeswax		
	Number of colonies (thou.)	Prod. per colony (lb.)	Total prod. (thou. lb.)	Average price per lb. (cents)	Value of prod. (thou. dol.)	Total prod. (thou. lb.)	Average price per lb. (dol.)	Value of prod. (thou. dol.)
1975 ..	37	29	1,073	76.7	823	23	1.13	26
1976 ..	37	28	1,036	76.3	790	18	1.06	19
1977 ..	37	29	1,073	82.5	885	17	1.70	29
1978 ..	35	30	1,050	94.7	994	21	1.57	33
1979 ..	34	40	1,360	77.6	1,055	27	1.57	42
1980 ..	43	33	1,419	107.0	1,518	34	2.16	73
1981 ..	38	35	1,330	101.0	1,343	32	1.89	60
1982 1/								

1/ Estimates discontinued after 1981.



NEW JERSEY: FARM INCOME AND EXPENSE SUMMARY, 1982

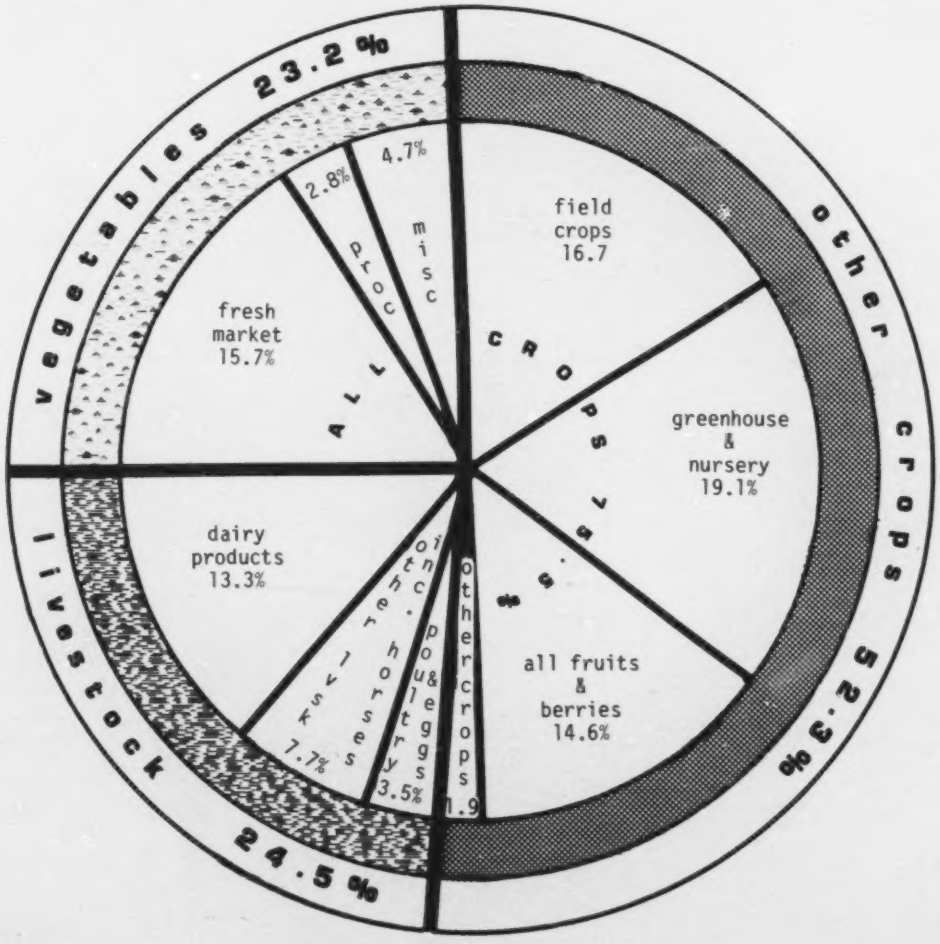
The estimated value of all fruit, vegetable and field crops produced in New Jersey during 1982 was $288.7 million, an increase of 1 percent from the 1981 value of $285.3 million. Field crops, which accounted for 41 percent of the total crop value, decreased in value by 9 percent to 118.8 million dollars. Decreased production and lower prices for virtually all of the state's field crops contributed to the majority of the decline. Higher utilized production of all fruit (except peaches) in 1982 coupled with higher prices for most fruit crops resulted in an increase of 15 percent in the value of fruit crops. Total value for all fruit crops in 1982 was $74.2 million. The value of the principal vegetables at $95.7 million was 6 percent more than a year earlier. The Garden State's principal vegetable crops accounted for just over 33 percent of the value of all crops in 1982. The value of fresh market vegetables was up 8 percent to $81.4 million while the value of processing vegetables remained the same at $14.3 million.

The estimated gross income of New Jersey farmers from livestock, poultry and their products in 1982 was $105.5 million, down 9 percent from the 1981 level of $115.9 million. Decreased marketings of cattle and calves and lower cattle prices contributed to the majority of the decrease. The only livestock items with an increase in gross income during 1982 were sheep, lambs and chickens. Leading categories, according to gross income, were milk in first place with $69.7 million, followed by eggs at $15.0 million, cattle and calves at $13.1 million and hogs and pigs at $6.8 million. Other items in order of income were turkeys, chickens, sheep, lambs and wool.

Based on preliminary estimates, cash receipts from all 1982 farm marketings were $516.0 million, compared to $499.7 million in 1981. Cash receipts from all crops in 1982 were $389.5 million, up 8 percent from 1981. All crops accounted for almost 76 percent of the total farm marketings. Receipts from the sale of livestock and livestock products totaled $126.4 million, down 7 percent from 1981.

Net Farm Income for 1982 was $108.1 million. This was 9 percent less than the 1981 value of $118.2. The estimate of gross farm income was $653.2 million, up 4 percent from the 1981 level of $627.4 million. Farm land and buildings in New Jersey were valued at $3,148 million in 1983, a decrease of 2 percent from 1982. The average value of land and buildings decreased to $3,056 per acre.

SOURCES OF NEW JERSEY'S 1982 CASH RECEIPTS



NEW JERSEY: FARM PRODUCTION EXPENSES, 1975-1982

Item	1975	1976	1977	1978	1979	1980	1981	1982
	-- million dollars --							
CURRENT FARM OPERATING EXPENSES:								
Feed	38.1	40.6	36.3	32.5	35.0	36.5	37.2	32.7
Livestock	8.1	7.4	6.2	6.4	5.6	5.1	8.0	7.8
Seed	13.2	15.0	14.1	20.4	22.9	25.9	30.7	31.1
Fertilizer and lime	26.2	23.0	22.5	22.8	25.0	32.7	31.1	30.7
Repairs and operation of capital items	33.6	40.4	44.4	50.4	61.5	70.7	75.6	76.3
Miscellaneous	45.5	46.8	46.6	54.0	65.1	71.2	81.3	94.7
Hired labor	61.4	67.8	74.6	68.7	77.2	87.1	84.2	99.8
TOTAL CURRENT EXPENSES	226.1	241.0	244.8	255.2	292.4	329.2	348.0	373.2
Depreciation and consumption of farm capital	59.0	70.0	76.0	88.9	102.4	103.3	114.6	119.4
Taxes on farm property	24.3	26.3	24.7	24.3	17.5	25.5	28.6	31.7
Interest on farm mortgage debt	14.2	15.5	16.0	16.5	19.0	23.3	26.0	28.8
Net rent to nonfarm landlords	-6.0	-5.6	-4.8	-3.5	-3.0	-4.2	-4.7	-6.1
TOTAL PRODUCTION EXPENSES	317.5	347.3	356.6	381.4	428.2	477.0	512.4	547.1

NOTE: Details may not add to totals because of roundings.

NEW JERSEY: GROSS AND NET INCOME FROM FARMING, 1975-1982

Item	1975	1976	1977	1978	1979	1980	1981	1982
	-- million dollars --							
Cash receipts from farm marketings	326.5	335.6	353.7	398.6	413.7	438.4	499.7	516.0
Government payments	.7	.8	1.1	2.0	.8	.9	1.5	1.1
Non-money income	52.4	64.8	70.9	82.9	96.9	114.4	118.3	127.7
Other farm income	5.1	5.0	5.2	5.2	6.4	6.6	8.0	8.5
TOTAL GROSS FARM INCOME	384.6	406.1	430.9	488.6	517.8	560.0	627.4	653.2
Farm production expenses	317.5	347.3	356.6	381.4	428.2	477.0	512.4	547.1
Realized net farm income	67.1	58.8	74.3	107.2	89.7	83.0	115.0	106.1
Net change in farm inventories	-5.1	5.8	-.9	3.4	4.1	-3.8	3.2	2.0
TOTAL NET FARM INCOME	62.0	64.6	73.3	110.6	93.8	79.2	118.2	108.1

NOTE: Totals may not add due to roundings.

SOURCE: The Farm Income Situation, Economic Research Service, U.S.D.A.

NEW JERSEY: VALUE OF LAND AND BUILDINGS AND TAXES LEVIED ON FARM REAL ESTATE, SELECTED YEARS, 1975-1983

Year	Value of land and buildings		Taxes levied on farm real estate		
	Total (million dol.)	Average per acre (dollars)	Total (million dol.)	Average per acre (dollars)	Average taxes per $100 of full value (dollars)
1975	1,870	1,807	17.5	18.53	1.03
1976	2,148	2,106	18.6	19.78	.94
1977	2,211	2,211	16.9	18.05	.82
1978	2,481	2,386	17.0	18.22	.76
1979	2,782	2,701	17.4	18.57	.69
1980	2,984	2,926	18.9	20.35	.70
1981	3,088	2,998	20.4	21.77	.73
1982	3,212	3,118	1/	1/	1/
1983	3,148	3,056	1/	1/	1/

1/ Not available at time of publication.

SOURCE: Farm Real Estate Market Development and Farm Real Estate Taxes, Economic Research Service, U.S.D.A.

NEW JERSEY: TABLE 1 - BALANCE SHEET OF THE FARMING SECTOR (EXCLUDING FARM HOUSEHOLDS), JANUARY 1, 1978--1982 1/

Item	1978	1979	1980	1981	1982
	-- number --				
Farms	9,000	9,600	9,400	9,500	9,500
Assets	-- million dollars --				
Total farm assets	2,672.5	3,021.6	3,274.0	3,397.5	3,539.9
Real estate 1/	2,279.3	2,558.3	2,747.7	2,846.2	2,961.8
Livestock and poultry 2/	50.3	65.8	84.4	97.7	89.8
Machinery and motor vehicles 3/	225.1	254.3	288.0	309.8	336.8
Crops 4/	34.5	50.9	58.9	44.1	45.5
Financial assets	83.3	92.4	95.1	99.8	106.1
Claims					
Total farm debt	310.3	317.3	367.2	436.7	465.2
Real estate debt 5/	219.1	218.8	259.7	310.1	314.1
Nonreal estate debt 6/	89.2	95.5	104.5	123.6	145.1
CCC loans 7/	2.0	3.0	3.0	3.0	6.0
Equity	2,362.2	2,704.4	2,906.8	2,960.8	3,074.7
Ratios	-- ratio --				
Equity/assets	88.4	89.5	88.8	87.1	86.9
Debt/equity	13.1	11.7	12.6	14.7	15.1
Debt/assets, total	11.6	10.5	11.2	12.9	13.1
Debt/assets, real estate	9.6	8.6	9.5	10.9	10.6
Debt/assets, nonreal estate and CCC	23.2	21.3	20.4	23.0	26.1
Returns to operator/total debt	24.2	18.4	6.3	8.4	N.A.

NEW JERSEY: TABLE 2 -- BALANCE SHEET OF THE FARMING SECTOR (INCLUDING FARM HOUSEHOLDS), JANUARY 1, 1978-1982

	-- number --				
Farms	9,000	9,600	9,400	9,500	9,500
Assets	-- million dollars --				
Total farm assets	2,981.2	3,366.2	3,616.5	3,725.4	3,888.3
Real estate	2,481.4	2,782.0	2,984.5	3,087.9	3,211.5
Livestock and poultry	50.3	65.8	84.4	97.7	89.8
Machinery and motor vehicles	246.5	275.0	306.7	328.1	355.6
Crops 8/	34.5	50.9	58.9	44.1	45.5
Household equip and furnishings	57.2	63.1	63.3	66.9	79.7
Deposits and currency	45.3	49.4	38.7	23.5	24.4
U.S. savings bonds	9.1	12.4	7.5	.3	.0
Investments in cooperatives	56.9	67.6	72.4	77.0	81.7
Claims					
Total farm debt	333.9	341.0	395.0	469.6	500.2
Real estate debt	238.5	237.9	282.1	336.4	340.6
Nonreal estate debt 9/	93.4	100.1	109.9	130.2	153.6
CCC loans 10/	2.0	3.0	3.0	3.0	6.0
Equity	2,647.3	3,025.2	3,221.5	3,255.8	3,388.1
Ratios	-- ratio --				
Equity/assets	88.8	89.9	89.1	87.4	87.1
Debt/equity	12.6	11.3	12.3	14.4	14.8
Debt/assets, total	11.2	10.1	10.9	12.6	12.9
Debt/assets, real estate	9.6	8.6	9.5	10.9	10.6
Debt/assets, nonreal estate and CCC	19.1	17.7	17.9	20.9	23.6
Net farm income/debt	28.7	23.8	12.1	13.4	N.A.

1/ Excludes value of operator dwellings. 2/ Excludes horses, mules and broilers. 3/ Includes only farm share value for trucks and autos. 4/ All crops held on farms including crops under CCC and crops held off farms by farm operators. 5/ Excludes debt on operator dwellings. 6/ Excludes debt for nonfarm purposes. 7/ Nonrecourse CCC loans secured by crops and storage and drying facilities owned by farmers. 8/ All crops held on farms including crops under CCC and crops held off farms by farm operators. 9/ Includes debt owed to institutional lenders and to noninstitutional or misc. 10/ Non recourse CCC loans secured by crops owned by farmers. These crops are included as assets.

N.A.-Not Applicable

SOURCE: Economic Research Service.

CASH RECEIPTS FROM NEW JERSEY FARM MARKETINGS, BY COMMODITIES, 1980, 1981 and 1982 1/

Commodity	1980		1981 (Revised)		1982 (Prelim.)	
	Thou. dollars	Percent of total	Thou. dollars	Percent of total	Thou. dollars	Percent of total
LIVESTOCK AND PRODUCTS:						
Eggs	13,388	3.1	15,895	3.2	14,842	2.9
Turkeys	957	.2	1,038	.2	1,163	.2
Other poultry	2,105	.5	2,309	.5	2,031	.4
All poultry and eggs	16,450	3.8	19,242	3.9	18,036	3.5
Dairy products	65,951	15.0	69,484	13.9	68,411	13.3
Cattle and calves	15,822	3.6	16,792	3.4	11,186	2.2
Hogs	5,648	1.3	8,430	1.7	6,104	1.2
Horses 3/	17,575	4.0	19,508	3.9	20,480	4.0
Other livestock	2,011	.5	1,946	.4	2,223	.4
All livestock except poultry	107,007	24.4	116,160	23.2	108,404	21.0
ALL LIVESTOCK AND PRODUCTS	123,457	28.2	135,402	27.1	126,440	24.5
CROPS:						
Field Crops:						
Corn	14,883	3.4	21,465	4.3	20,564	4.0
Wheat	5,824	1.3	8,150	1.6	6,556	1.3
Hay	8,676	2.0	10,121	2.0	12,080	2.3
Soybeans	26,382	6.0	30,351	6.1	25,412	4.9
Potatoes	15,778	3.6	13,972	2.8	13,713	2.7
Sweet potatoes	3,576	.8	3,873	.8	4,791	.9
Other field crops	2,447	.6	2,993	.6	2,959	.6
ALL FIELD CROPS	77,566	17.7	90,925	18.2	86,075	16.7
Vegetables for fresh market:						
Tomatoes	9,666	2.2	20,582	4.1	25,106	4.9
Sweet corn	8,397	1.9	9,771	2.0	8,733	1.7
Lettuce	4,963	1.1	7,347	1.5	6,082	1.2
Asparagus	1,963	.5	2,277	.5	2,637	.5
Peppers	7,792	1.8	7,685	1.5	10,643	2.1
Cabbage	8,147	1.9	5,878	1.2	7,076	1.4
Snap beans	4,853	1.1	6,159	1.2	5,530	1.1
Onions	915	.2	1,602	.3	990	.2
Cucumbers	4,004	.9	3,881	.8	4,925	1.0
Spinach	2,515	.6	3,136	.6	3,865	.7
Escarole	3,107	.7	4,115	.8	2,880	.6
Eggplant	2,115	.5	3,156	.6	2,693	.5
Vegetables for processing:						
Snap beans	3,228	.7	4,203	.8	4,997	1.0
Tomatoes	4,600	1.0	8,398	1.7	9,333	1.8
Miscellaneous vegetables	20,409	4.7	21,113	4.2	24,366	4.7
ALL VEGETABLES	86,674	20.0	106,665	21.3	119,856	23.2
Fruits:						
Peaches	22,776	5.2	21,391	4.3	21,942	4.3
Apples	10,514	2.4	11,529	2.3	16,263	3.2
Blueberries	15,860	3.6	18,200	3.6	21,360	4.1
Strawberries	2,333	.5	2,949	.6	2,563	.5
Cranberries	8,072	1.8	7,391	1.5	12,272	2.4
Other fruits and berries	567	.1	668	.1	743	.1
ALL FRUITS AND BERRIES	60,122	13.7	62,128	12.4	75,143	14.6
Forest products	8,000	1.8	9,300	1.9	9,670	1.9
Greenhouse, nursery and sod	82,300	18.8	92,215	18.5	98,508	19.1
Mushrooms	330	.1	427	.1	295	.1
ALL CROPS	314,992	71.8	361,660	72.4	389,547	75.5
ALL COMMODITIES 2/	438,449	100.0	499,700	100.0	515,987	100.0

1/ Calendar year receipts.
2/ Individual percentages may not equal 100 percent due to rounding.
3/ The cash receipts figure for horses is estimated by N.J. Division of Markets, Equine Program.

NEW JERSEY: AVERAGE PRICES RECEIVED BY FARMERS, MONTHLY, 1977-1982

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CORN (dollars per bushel)												
1977 1/	2.51	2.50	2.58	2.54	2.46	2.46	2.16	1.94	1.77	1.79	1.96	2.15
1978	2.20	2.29	2.32	2.45	2.55	2.65	2.59	2.40	2.20	2.19	2.27	2.32
1979	2.36	2.41	2.48	2.56	2.69	2.82	3.15	3.09	3.08	2.82	2.84	2.93
1980	2.70	2.85	2.84	2.78	2.85	2.87	3.16	3.49	3.55	3.50	3.60	3.71
1981	3.82	3.78	3.72	3.75	3.78	3.64	3.65	3.30	2.85	2.62	2.53	2.43
1982	2.64	2.70	2.64	2.70	2.80	2.76	2.75	2.58	2.32	2.17	2.28	2.32
WHEAT (dollars per bushel)												
1977 1/	2.63	2.63	2.57	2.45	2.43	2.28	2.20	2.02	1.98	2.01	2.11	2.21
1978	2.26	2.38	2.44	2.63	2.58	2.55	2.89	3.02	3.13	3.02	3.08	3.10
1979	3.34	3.62	3.57	3.50	3.53	3.81	4.04	3.87	3.91	3.91	3.88	3.94
1980	3.85	4.10	3.89	3.73	3.70	3.60	3.89	4.04	4.18	4.31	4.20	4.20
1981	4.36	4.25	4.01	3.92	3.78	3.36	3.20	3.24	3.25	3.45	3.61	3.63
1982	3.52	3.59	3.42	3.50	3.50	3.15	3.14	3.00	2.98	2.97	2.98	3.08
RYE (dollars per bushel)												
1977 1/	2.45	2.45	2.45	2.39	2.39	2.39	2.30	2.30	2.40	2.45	2.45	3.00
1978	2.50	2.50	2.55	2.55	2.55	2.55	2.96	3.03	3.10	3.00	3.00	3.00
1979	2.75	2.75	2.75	2.75	2.75	2.75	3.00	3.10	3.01	3.22	3.25	3.10
1980	3.10	2.75	2.50	3.00	3.00	3.00	2.72	3.25	3.50	3.62	4.53	4.35
1981	4.35	4.35	4.20	4.20	4.20	4.20	3.08	3.37	3.35	3.51	3.48	4.00
1982	3.65	3.00	3.06	3.06	3.00 2/	-.--	-.--	-.--	-.--	-.--	-.--	-.--
SOYBEANS (dollars per bushel)												
1977 1/	6.75	7.05	7.95	9.00	9.25	8.30	6.30	5.10	4.75	5.00	5.55	5.70
1978	5.55	5.40	6.25	6.80	7.05	6.50	6.05	5.85	5.95	6.25	6.20	6.25
1979	6.60	6.90	6.95	7.05	6.90	7.35	7.30	6.50	6.50	6.25	6.25	6.10
1980	6.00	6.25	6.05	5.75	5.65	5.70	7.20	7.20	7.90	8.18	8.43	7.33
1981	7.81	7.30	7.10	7.63	7.20	7.00	7.20	6.77	6.21	6.16	5.80	5.85
1982	5.93	6.07	5.93	6.20	6.32	6.13	6.11	5.79	5.33	5.19	5.37	5.30
POTATOES (dollars per 100 pounds)												
1977	--.--	--.--	--.--	--.--	--.--	--.--	5.50	3.50	4.00	4.40	4.20	5.00
1978	--.--	--.--	--.--	--.--	--.--	--.--	5.50	3.40	3.55	4.10	4.70	4.60
1979	--.--	--.--	--.--	--.--	--.--	--.--	4.95	3.65	3.90	4.20	4.30	4.35
1980	--.--	--.--	--.--	--.--	--.--	--.--	9.80	6.95	8.90	9.30	9.35	9.80
1981	--.--	--.--	--.--	--.--	--.--	--.--	8.30	6.70	6.40	6.50	6.90	6.95
1982	--.--	--.--	--.--	--.--	--.--	--.--	5.35	5.10	5.10	5.10	4.70	--.--
SWEET POTATOES (dollars per 100 pounds)												
1977 1/	10.20	11.30	12.50	13.90	13.90	15.80	15.80	--.--	15.40	12.80	14.40	14.20
1978	14.60	13.80	15.60	17.30	16.90	17.90	20.90	--.--	17.10	14.90	14.60	14.10
1979	12.40	12.70	13.40	13.20	14.00	12.20	13.10	--.--	15.50	13.00	14.40	12.90
1980	11.90	14.60	12.80	13.90	12.70	12.00	11.50	--.--	15.80	13.70	13.40	12.70
1981	15.70	17.00	18.50	21.70	23.30	22.30	24.50	--.--	18.00	16.90	18.50	17.30
1982	16.50	14.40	13.50	14.00	14.60	15.80	15.00	--.--	12.50	9.00	10.30	11.20

1/ In June 1976 publication of New Jersey monthly prices was discontinued by the USDA but assumed by NJDA.
2/ Monthly prices discontinued after May.

NEW JERSEY: AVERAGE PRICES RECEIVED BY FARMERS, MONTHLY, 1977-1982

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
ALFALFA HAY, baled (dollars per ton)												
1977 1/	75.50	75.00	76.00	79.00	77.00	76.00	77.00	81.00	79.00	80.00	79.00	80.00
1978	87.50	91.50	92.00	94.00	100.00	84.00	84.50	84.00	83.00	85.00	83.00	79.00
1979	81.00	85.00	75.00	75.00	75.00	73.00	73.00	68.00	66.00	65.00	70.00	70.00
1980	75.00	75.00	74.00	76.00	74.50	67.00	73.50	81.50	87.80	92.00	82.00	100.00
1981	114.50	115.00	106.50	107.00	108.00	91.00	87.20	99.00	103.00	102.00	105.00	110.00
1982	108.00	120.00	130.00	130.00	133.00	125.00	115.00	112.00	113.00	107.00	109.00	115.00
OTHER HAY, baled (dollars per ton)												
1977 1/	62.00	61.50	62.50	63.00	61.00	60.00	62.00	63.00	61.00	63.50	63.00	64.00
1978	69.00	69.00	70.00	70.00	73.00	64.50	64.50	66.00	66.00	67.00	67.00	64.50
1979	61.50	61.50	57.50	54.50	51.00	46.00	42.00	47.00	52.00	50.00	55.00	55.00
1980	58.00	58.50	52.50	51.00	55.00	48.00	49.00	54.50	66.50	74.00	64.00	76.50
1981	83.50	80.00	80.00	77.00	75.00	72.00	74.00	74.00	76.00	78.00	82.00	90.00
1982	90.00	90.00	95.00	95.00	100.00	98.00	89.00	85.00	86.00	81.00	82.00	86.00
ALL HAY (dollars per ton)												
1977 1/	69.50	66.50	68.00	70.00	69.80	68.80	70.50	73.00	71.00	72.50	72.00	73.00
1978	79.00	81.50	82.10	83.00	88.00	75.00	75.50	75.90	75.50	77.00	76.00	72.50
1979	72.00	74.45	67.00	66.00	64.00	61.00	59.00	58.50	59.50	58.50	63.50	63.50
1980	66.50	67.00	63.50	63.50	64.50	57.50	61.25	68.00	77.25	83.00	73.00	88.25
1981	100.50	99.50	94.50	93.50	93.00	82.50	81.20	88.00	91.00	91.00	94.50	101.00
1982	100.00	101.00	108.00	108.00	112.00	108.00	98.00	94.80	96.00	90.00	92.00	96.50
APPLES, fresh market (cents per pound)												
1977	15.00	18.00	17.30	17.70	18.00	18.00	15.00	12.00	12.80	12.60	12.60	13.00
1978	14.50	16.50	16.70	17.50	19.00	19.00	13.50	16.90	16.00	15.00	14.00	14.60
1979	15.50	16.00	16.00	16.40	17.00	17.00	15.40	15.80	15.00	13.80	14.10	14.10
1980	14.30	15.30	14.80	15.30	21.10	20.50	14.50	16.50	17.50	13.50	14.00	14.50
1981	16.00	13.50	15.00	15.00	14.50	16.00	15.00	16.70	16.30	17.20	19.50	19.50
1982	19.50	22.80	21.50	21.90	22.80	26.70	22.60	23.00	18.50	17.00	16.50	16.80
PEACHES, fresh market (cents per pound)												
1977	--.--	--.--	--.--	--.--	--.--	--.--	17.00	17.40	17.70	--.--	--.--	--.--
1978	--.--	--.--	--.--	--.--	--.--	--.--	36.80	24.70	22.40	--.--	--.--	--.--
1979	--.--	--.--	--.--	--.--	--.--	--.--	16.40	16.80	18.60	--.--	--.--	--.--
1980	--.--	--.--	--.--	--.--	--.--	--.--	19.40	19.00	24.00	--.--	--.--	--.--
1981	--.--	--.--	--.--	--.--	--.--	--.--	15.90	22.00	30.60	--.--	--.--	--.--
1982	--.--	--.--	--.--	--.--	--.--	--.--	24.60	31.00	27.00	--.--	--.--	--.--
CATTLE (dollars per 100 pounds)												
1977 1/....	25.40	25.70	27.10	28.40	29.00	27.20	26.50	25.60	26.10	25.20	24.40	24.56
1978	26.80	30.30	32.10	35.00	38.50	40.10	41.30	38.50	39.30	39.90	40.90	42.50
1979	51.20	51.70	53.60	57.10	58.80	55.60	57.00	47.90	49.50	46.30	47.40	50.40
1980	50.90	51.10	51.80	49.00	45.10	47.70	48.40	48.30	49.80	45.80	46.30	45.11
1981	43.30	45.10	43.50	44.00	46.70	45.40	40.90	48.30	43.80	42.00	40.80	38.50
1982	39.80	40.20	41.20	42.90	46.50	46.80	43.70	43.50	44.20	41.70	41.70	41.30

1/ In June 1976 publication of New Jersey monthly prices was discontinued by USDA but was assumed by NJDA.

NEW JERSEY: AVERAGE PRICES RECEIVED BY FARMERS, MONTHLY, 1977-1982

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CALVES (dollars per 100 pounds)												
1977 1/	38.80	38.50	39.00	37.50	39.00	37.50	37.50	36.30	36.30	38.00	38.90	37.00
1978	43.40	43.80	47.30	53.00	63.80	64.80	55.00	54.90	56.30	66.20	66.30	71.20
1979	81.40	85.10	94.90	97.00	108.90	102.20	99.00	90.00	93.00	101.60	93.00	96.40
1980	95.40	101.90	100.00	95.00	95.50	96.20	84.90	86.90	94.00	94.00	86.40	86.40
1981	86.40	86.40	78.50	78.90	97.20	93.20	93.80	89.50	85.00	84.00	76.00	73.50
1982	63.60	75.70	83.90	71.50	80.30	68.10	73.60	77.20	69.70	60.80	62.30	61.60
HOGS (dollars per 100 pounds)												
1977 1/	35.60	36.50	36.50	36.40	36.80	39.10	42.90	40.20	41.00	40.00	37.40	40.00
1978	41.50	42.90	42.90	43.10	47.80	43.80	44.80	46.30	46.40	45.80	44.80	45.80
1979	50.00	53.50	48.60	44.00	43.50	38.00	37.10	36.60	37.10	31.50	32.70	35.50
1980	36.80	36.00	30.90	27.50	27.70	29.80	37.30	46.50	45.00	40.50	40.10	42.80
1981	40.40	41.60	40.60	44.90	40.40	46.60	48.20	47.10	45.90	41.40	39.90	41.40
1982	46.40	50.30	49.30	56.40	56.20	61.70	61.60	59.60	58.10	52.80	54.40	53.70
MILK COWS (dollars per head)												
1977 1/	630	640	645	635	650	655	665	670	670	675	680	685
1978	705	700	705	710	715	720	760	760	760	795	795	825
1979	825	830	950	1,000	1,010	1,100	1,000	1,000	1,050	1,180	1,200	1,200
1980	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,250	1,260	1,280	1,300	1,320
1981	1,340	1,360	1,300	1,300	1,300	1,300	1,350	1,350	1,340	1,320	1,320	1,300
1982	1,300	--.--	--.--	1,250	--.--	--.--	1,300	--.--	--.--	1,200	--.--	--.--
MILK, sold to plants (dollars per 100 pounds)												
1977 1/	10.20	10.10	9.85	9.65	9.60	9.65	10.00	10.30	10.60	10.80	11.00	10.70
1978	10.70	10.70	10.60	10.50	10.40	10.40	10.60	11.20	11.60	12.00	12.20	12.30
1979	12.40	12.50	12.10	11.90	11.70	11.80	12.10	12.60	12.90	13.30	13.40	13.10
1980	13.20	13.20	13.00	12.90	12.70	12.70	13.00	13.30	13.70	14.20	14.40	14.40
1981	14.40	14.40	14.20	14.00	13.70	13.50	13.90	14.00	14.30	14.60	14.50	14.40
1982	14.40	14.10	14.00	13.60	13.40	13.30	13.30	13.90	14.10	14.20	14.20	14.30
EGGS (cents per dozen)												
1977 1/	70.0	72.0	66.0	63.0	56.0	51.0	55.0	56.0	54.0	49.0	54.0	60.0
1978	55.0	60.0	62.0	58.0	53.0	47.0	54.0	56.0	58.0	56.0	64.0	68.0
1979	69.0	66.0	74.0	65.0	61.0	63.0	57.0	60.0	59.0	55.0	62.0	68.0
1980	57.0	53.0	58.0	54.0	50.0	51.0	54.0	61.0	66.0	62.0	69.0	74.0
1981	69.0	66.0	64.0	69.0	62.0	58.0	62.0	62.0	68.0	71.0	73.0	68.0
1982	67.6	71.0	73.0	68.0	62.0	59.0	59.0	60.0	63.5	63.5	63.3	58.6
CHICKENS, live 2/ (cents per pound)												
1977 1/	13.0	13.0	13.0	11.5	11.0	10.5	10.5	10.5	11.0	10.5	11.0	11.5
1978	10.0	9.5	9.5	9.5	10.0	11.5	11.0	12.0	12.5	10.0	12.0	14.0
1979	15.5	16.5	17.5	15.5	17.0	14.5	13.0	11.0	11.0	11.0	10.5	11.5
1980	11.5	11.0	11.0	10.0	9.5	9.5	9.5	11.0	11.0	11.0	12.5	16.5
1981	12.5	13.0	13.0	10.0	9.5	9.5	8.6	9.2	11.9	10.3	11.0	12.0
1982	11.0	12.0	13.0	11.0	13.0	8.0	6.5	7.0	7.6	9.0	11.2	12.4

1/ In June 1976 publication of New Jersey monthly prices was discontinued by USDA but was assumed by NJDA.
2/ Includes farm and commercial operations, but excludes meat-type chickens.

NEW JERSEY: AVERAGE PRICES PAID BY FARMERS FOR FEED, MONTHLY, 1977-1982

Year	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15	July 15	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15
LAYING FEED (dollars per ton)												
1977	153.00	152.00	152.00	153.00	150.00	154.00	144.00	130.00	130.00	120.00	126.00	140.00
1978	140.00	132.00	140.00	151.00	145.00	147.00	144.00	160.00	150.00	150.00	153.00	143.00
1979	141.00	138.00	147.00	155.00	163.00	167.00	175.00	170.00	188.00	179.00	162.00	178.00
1980	178.00	170.00	171.00	176.00	181.00	200.00	190.00	185.00	196.00	215.00	225.00	215.00
1981	205.00	210.00	205.00	205.00	210.00	215.00	205.00	210.00	195.00	191.00	188.00	195.00
1982	190.00	193.00	186.00	175.00	180.00	183.00	174.00	172.00	171.00	176.00	170.00	174.00
BROILER GROWER (dollars per ton)												
1977 1/	186.00	186.00	186.00	186.00	200.00	200.00	195.00	180.00	174.00	172.00	173.00	172.00
1978	174.00	172.00	176.00	178.00	179.00	184.00	178.00	177.00	175.00	178.00	180.00	195.00
1979	200.00	200.00	195.00	190.00	190.00	185.00	190.00	190.00	195.00	195.00	195.00	205.00
1980	205.00	205.00	205.00	195.00	199.00	188.00	193.00	200.00	215.00	215.00	225.00	220.00
1981	230.00	235.00	220.00	225.00	235.00	235.00	230.00	235.00	220.00	220.00	200.00	220.00
1982	205.00	210.00	210.00	196.00	210.00	203.00	237.00	262.00	178.00	202.00	193.00	180.00
CHICK STARTER FEED (dollars per ton)												
1977 1/	174.00	183.00	185.00	192.00	200.00	200.00	195.00	183.00	178.00	175.00	178.00	177.00
1978	180.00	177.00	181.00	188.00	186.00	189.00	189.00	184.00	184.00	184.00	186.00	200.00
1979	205.00	205.00	200.00	200.00	200.00	195.00	200.00	197.00	200.00	200.00	195.00	205.00
1980	210.00	205.00	205.00	200.00	199.00	210.00	197.00	215.00	235.00	235.00	240.00	245.00
1981	245.00	245.00	235.00	240.00	255.00	250.00	235.00	235.00	215.00	235.00	210.00	220.00
1982	210.00	215.00	220.00	210.00	220.00	210.00	202.00	223.00	199.00	197.00	193.00	194.00
TURKEY GROWER FEED (dollars per ton)												
1977 1/	205.00	202.00	202.00	196.00	210.00	210.00	205.00	190.00	184.00	182.00	185.00	187.00
1978	188.00	182.00	189.00	192.00	192.00	197.00	195.00	188.00	186.00	187.00	188.00	205.00
1979	210.00	210.00	205.00	205.00	210.00	200.00	210.00	210.00	215.00	215.00	210.00	215.00
1980	215.00	215.00	215.00	215.00	210.00	215.00	220.00	235.00	260.00	245.00	260.00	265.00
1981	265.00	265.00	255.00	265.00	260.00	265.00	250.00	250.00	240.00	240.00	220.00	230.00
1982	240.00	235.00	235.00	225.00	230.00	232.00	236.00	233.00	232.00	222.00	225.00	220.00
MIXED DAIRY FEED, 16 percent protein (dollars per ton)												
1977	154.00	156.00	154.00	149.00	152.00	156.00	150.00	140.00	137.00	135.00	135.00	148.00
1978	141.00	139.00	141.00	156.00	156.00	141.00	141.00	141.00	148.00	137.00	145.00	150.00
1979	148.00	160.00	154.00	152.00	148.00	157.00	159.00	158.00	159.00	167.00	166.00	165.00
1980	175.00	166.00	167.00	175.00	177.00	174.00	174.00	188.00	197.00	199.00	200.00	205.00
1981	205.00	210.00	200.00	205.00	210.00	210.00	197.00	198.00	188.00	187.00	191.00	192.00
1982	195.00	191.00	191.00	183.00	189.00	188.00	185.00	184.00	178.00	183.00	174.00	183.00
VALUE OF CONCENTRATES FED DAIRY COWS (dollars per 100 pounds)												
1977	7.35	7.40	7.30	7.30	7.50	7.40	7.15	6.75	6.50	6.40	6.50	6.80
1978	6.70	6.60	6.60	7.10	7.10	6.85	6.80	6.75	7.05	6.70	7.00	7.25
1979 2/	7.15	--.--	--.--	7.30	--.--	--.--	7.60	--.--	--.--	7.90	--.--	--.--
1980	8.00	--.--	--.--	8.20	--.--	--.--	8.20	--.--	--.--	8.50	--.--	--.--
1981	10.00	--.--	--.--	9.70	--.--	--.--	9.70	--.--	--.--	9.00	--.--	--.--
1982	8.90	--.--	--.--	8.90	--.--	--.--	9.10	--.--	--.--	8.70	--.--	--.--
BEEF CATTLE CONCENTRATE, 30 percent protein and over (dollars per 100 pounds)												
1977 1/	10.00	10.00	10.00	10.30	10.30	10.50	10.00	9.00	9.20	8.90	9.00	9.50
1978	9.60	9.50	9.60	9.60	9.60	9.70	9.70	9.60	9.50	9.50	9.70	10.50
1979	10.50	10.50	10.90	10.50	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.50
1980	11.00	11.00	11.00	11.50	11.50	11.50	11.50	11.50	11.00	12.50	11.80	12.90
1981	12.80	13.00	12.00	13.00	12.30	13.10	11.50	11.60	11.60	12.60	11.50	12.00
1982	11.50	11.50	12.00	11.50	12.00	12.00	11.50	11.90	12.00	11.00	11.00	11.70

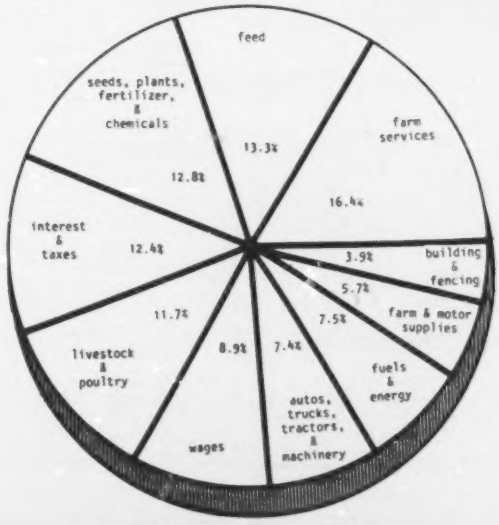
1/ In January 1977 publication of monthly prices was discontinued by USDA but was assumed by the NJDA.
2/ Data available only quarterly beginning in 1979.

NEW JERSEY: AVERAGE PRICES PAID BY FARMERS FOR FEED, MONTHLY, 1977-1982

Year	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15	July 15	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15
MIXED HOG FEED, 14-18 percent protein (dollars per 100 pounds)												
1977	8.80	8.60	8.60	8.70	9.10	8.70	8.50	8.10	8.00	7.80	7.80	8.00
1978	8.00	8.20	8.20	8.30	8.30	8.30	8.70	8.50	8.20	8.40	8.40	8.30
1979	8.30	8.50	8.60	8.60	8.50	8.90	8.90	8.90	9.20	9.50	9.30	9.60
1980	9.90	9.40	10.00	10.00	10.00	10.00	9.90	10.50	11.50	11.00	11.50	11.50
1981	11.50	11.50	11.50	11.50	12.00	11.50	11.50	11.00	11.00	11.00	10.50	10.50
1982	10.50	11.00	10.00	10.50	11.00	11.00	10.50	10.50	10.50	9.90	10.00	9.80
COTTONSEED MEAL, 41 percent protein (dollars per 100 pounds)												
1977 1/	12.50	12.50	13.00	13.50	14.00	14.50	14.00	13.00	12.50	11.50	11.50	11.50
1978	12.00	12.00	12.50	12.50	12.50	12.50	12.50	12.00	12.50	12.50	12.50	12.50
1979	12.50	12.50	12.70	12.70	12.50	13.00	14.00	14.00	14.00	14.00	13.50	14.00
1980	13.00	13.00	13.00	14.00	13.50	13.50	14.00	14.50	15.00	15.00	15.30	15.50
1981	15.30	15.30	15.30	15.30	15.30	15.30	16.50	16.50	16.50	16.50	15.00	16.50
1982	16.50	16.50	16.00	16.00	16.50	16.50	16.50	16.50	16.50	18.00	18.00	16.50
SOYBEAN MEAL, 44 percent protein (dollars per 100 pounds)												
1977	14.50	15.00	15.50	16.50	17.50	17.00	15.50	14.50	14.00	13.00	12.50	13.00
1978	13.50	13.00	13.50	14.00	15.00	15.00	14.50	15.00	14.00	14.50	14.00	14.50
1979	15.50	14.50	15.00	15.50	14.50	15.50	15.50	16.00	15.00	16.00	15.00	15.50
1980	15.50	15.50	15.00	13.50	13.50	14.00	14.00	15.00	16.00	16.50	18.50	18.00
1981	17.50	17.00	16.50	16.50	17.00	16.00	16.50	16.50	16.00	15.50	15.50	15.50
1982	15.00	15.00	15.00	15.00	15.50	15.50	15.50	15.00	15.00	14.00	14.50	15.50
CORN MEAL (dollars per 100 pounds)												
1977	7.40	7.30	7.50	7.40	7.70	7.50	7.30	6.60	6.10	6.10	6.30	6.70
1978	6.70	7.00	6.70	6.70	6.90	7.00	7.20	6.80	6.60	6.50	6.60	6.70
1979	6.70	6.80	7.10	6.90	7.00	7.00	7.70	7.70	7.70	7.80	7.90	7.70
1980	7.50	8.00	7.60	8.30	8.40	8.90	9.00	9.60	9.60	9.70	9.40	9.70
1981	9.60	10.50	10.00	10.00	11.00	10.50	10.50	10.50	10.00	9.80	9.50	9.50
1982	8.90	8.90	9.60	9.00	9.40	9.90	10.00	9.10	8.60	8.90	8.70	9.00
BRAN (dollars per 100 pounds)												
1977	8.50	8.80	8.70	8.80	9.00	8.90	8.80	8.40	8.00	8.20	8.20	8.00
1978	8.10	8.10	8.20	8.30	8.40	8.40	8.50	8.90	8.40	8.30	8.10	8.30
1979	8.50	8.40	8.30	8.70	8.70	8.80	9.10	9.40	8.90	9.30	9.10	9.30
1980	9.80	9.40	9.50	9.40	9.70	9.60	9.40	9.90	10.50	11.00	11.00	11.50
1981	12.50	11.50	11.00	11.50	11.50	11.00	11.00	11.00	11.00	10.50	11.00	11.00
1982	11.00	10.50	10.50	11.00	11.50	11.00	10.50	11.00	10.50	10.50	10.50	11.00

1/ In January 1977 publication of New Jersey monthly prices was discontinued by USDA but was assumed by NJDA.

UNITED STATES -- 1982 -- FARM EXPENDITURES

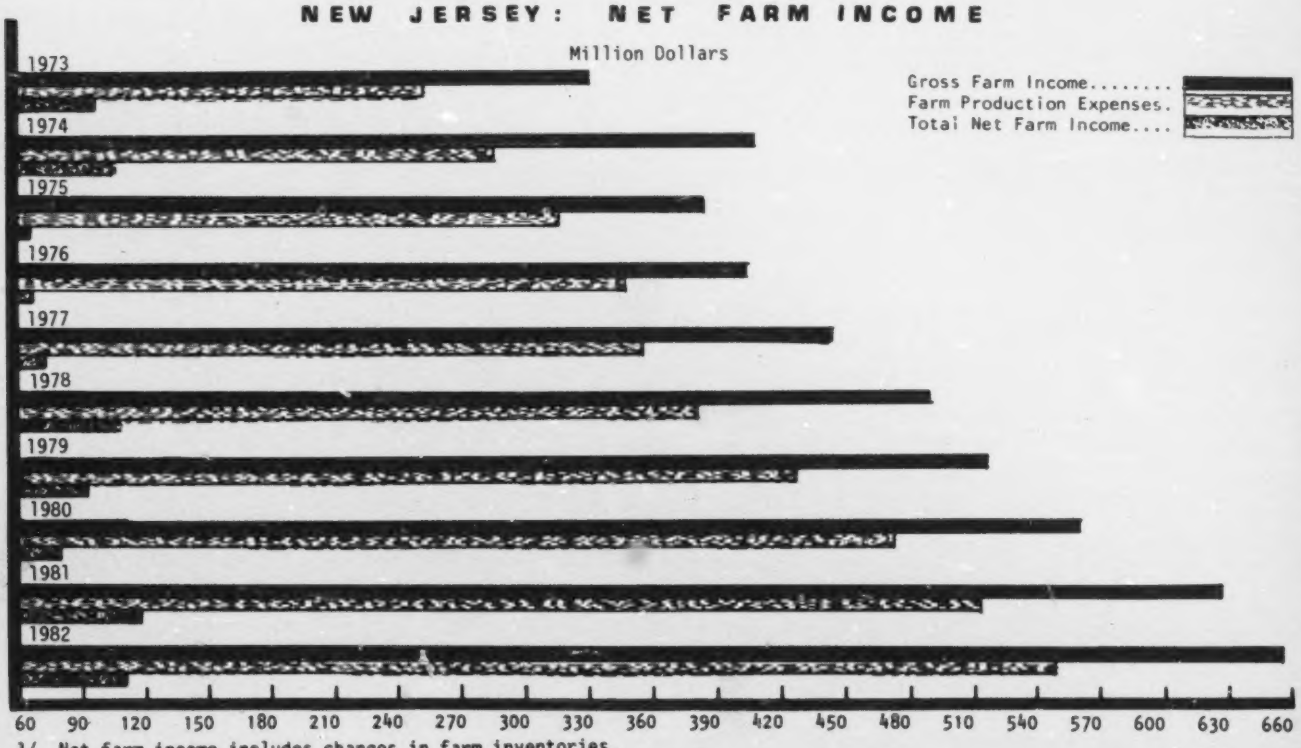


NEW JERSEY: ANNUAL AVERAGE PRICES PAID BY FARMERS, SELECTED ITEMS AND YEARS, 1978-1982 1/

	1978	1979	1980	1981	1982
	-- dollars --				
BUILDING AND FENCING MATERIALS:					
Dressed boards, No. 2 and better, per 1,000 bd. ft. ...	676	765	834	879	844
Shingles, asphalt, mineral surface, 240 lb.	24.57	27.05	31.13	31.58	30.88
Roofing, galvinized (steel) 28-29 ga. per 100 sq. ft. .	37.95	41.33	45.13	48.07	49.12
Nails, 8d, common, per lb.	.550	.576	.653	.701	.719
Portland cement, per 94 lb. net	3.83	4.27	4.78	5.12	5.39
Concrete blocks, 8"x8", 16" per 100	54.98	60.82	69.67	75.33	77.68
Field and stock fence, 6" stay, 32" high, per 20 rod roll	67.35	76.10	90.25	92.93	96.30
Post, steel, (line fence), each	2.52	2.81	3.23	3.62	3.60
MOTOR FUEL AND SUPPLIES:					
Gasoline, regular, bulk delivery, per gallon	.593	.786	1.142	1.283	1.183
Diesel fuel, per gallon	.506	.708	1.018	1.217	1.150
Truck tires, 7.50 x 20, 10 ply, each 2/	89.75	127.50	155.00	175.00	181.25
Spark plugs, each	1.60	1.80	1.80	1.98	2.00
Anti-freeze, permanent, per gallon	5.15	5.10	5.40	5.70	5.85
FARM MACHINERY AND SUPPLIES:					
Wheel type farm tractors, 50-59 belt h.p., each	11,333	12,367	13,700	15,400	16,700
Moldboard plow, 3 bottoms, one-way each	1,470	1,675	1,895	2,165	2,315
Farm wagon (without box), less tires, each	666	720	801	834	877
Hand sprayer, pressure, 3-4 gal. capacity, each	23.10	25.00	27.75	31.85	31.95
Nail hammer, with handle, each	9.32	9.58	11.40	13.25	13.85
Adjustable end wrench, each	7.91	8.64	9.45	10.38	10.93
FERTILIZER, per ton:					
5-10-10	103.25	120.50	146.00	159.75	161.25
10-10-10	117.25	135.00	163.00	177.50	177.50
Ammonium nitrate, 33.5% N	168.75	171.75	199.00	223.75	232.50
Urea, 45-46% N	186.50	208.75	255.75	27[illegible].75	269.75

1/ All data is an average for the Northeastern States for building and fencing materials, farm machinery and supplies and fertilizer. Motor fuel and supply estimates are for New Jersey.
2/ 1979, 1980, 1981 and 1982 estimates are for Truck tires, 9.00 x 20, 10 ply, each.

NEW JERSEY: NET FARM INCOME



1/ Net farm income includes changes in farm inventories.

NORTHEAST: INDEX NUMBERS OF AGRICULTURAL LABOR, FARM OUTPUT, CROPLAND, CROP PRODUCTION, TOTAL FARM

Year	Labor production per hour	Farm output	Cropland used for crops	Crop production per acre of cropland for crops	Total farm input	Total farm output
1965	54	100	102	93	98	98
1966	53	92	102	85	98	95
1967	61	100	100	100	100	100
1968	61	95	95	97	100	102
1969	66	97	91	103	99	102
1970	71	99	94	102	100	101
1971	75	101	95	102	100	110
1972	75	90	92	87	100	110
1973	80	92	94	96	101	112
1974	85	96	97	100	100	106
1975	90	97	97	98	100	114
1976	98	101	98	97	103	117
1977	100	96	99	93	105	119
1978	115	104	98	100	105	122
1979	118	104	100	102	108	129
1980 1/	119	104	101	96	106	122
1981 T/	139	NA	101	NA	106	134

1/ United States total farm index numbers (1967 = 100)
T/ Northeast base (1977 = 100)

SOURCE: Economic Research Services.

NEW JERSEY: NUMBER CERTIFIED NURSERIES AND ACRES IN NURSERY STOCK, 1979-1982

County	Number of certified nurseries				Acreage in nursery stock			
	1979	1980	1981	1982	1979	1980	1981	1982
NORTH DISTRICT:								
Bergen	102	102	103	99	255	293	251	274
Essex	20	19	18	18	32	27	28	28
Hunterdon	54	55	58	63	540	600	608	645
Morris	65	61	70	69	208	191	196	209
Passaic	26	26	26	28	110	128	66	89
Somerset	54	54	54	57	275	347	383	396
Sussex	23	24	27	25	133	141	175	155
Union	23	22	23	20	43	38	38	37
Warren	14	13	18	20	52	45	53	56
CENTRAL DISTRICT:								
Burlington	56	56	62	71	420	479	468	547
Mercer	49	49	47	50	324	398	382	389
Middlesex	62	64	61	66	1,508	1,679	1,576	1,665
Monmouth	133	130	128	126	3,431	3,475	3,662	3,699
Ocean	21	23	21	25	54	49	58	66
SOUTH DISTRICT:								
Atlantic	44	48	46	46	390	470	366	363
Camden	23	25	27	27	68	106	107	97
Cape May	10	9	9	10	136	142	59	64
Cumberland	70	77	82	93	1,042	1,059	901	1,068
Gloucester	80	80	84	86	1,422	1,438	1,429	1,448
Salem	34	33	32	32	488	527	527	527
STATE	963	970	996	1,031	10,931	11,632	11,333	11,822

SOURCE: Division of Plant Industry, New Jersey Department of Agriculture.

NEW JERSEY: NUMBER OF FARMS, LAND-IN-FARMS AND AVERAGE SIZE OF FARMS, 1975-1983 1/

Year	Number of Farms		Land-in-Farms		Average Size of Farm	
	New Jersey	United States	New Jersey	United States	New Jersey	United States
	-- number --		-- 1,000 acres --		-- acres --	
1975	8,600	2,521,420	1,035	1,059,420	120	420
1976	8,900	2,497,270	1,020	1,054,075	115	422
1977	8,600	2,455,830	1,000	1,047,785	116	427
1978	9,000	2,436,250	1,040	1,044,790	116	429
1979	9,600	2,429,960	1,030	1,043,195	107	429
1980	9,400	2,427,830	1,020	1,042,245	109	429
1981	9,500	2,434,010	1,030	1,042,100	108	428
1982	9,500	2,400,370	1,030	1,038,530	108	433
1983	9,500	2,369,750	1,030	1,035,160	108	437

1/ A farm is defined as a place having annual sales of Agricultural products of $1,000 or more.

NEW JERSEY: FERTILIZER CONSUMPTION BY KINDS AND PRIMARY NUTRIENTS, YEAR ENDED JUNE 30, 1975-1982

Mixtures and materials for direct application	1975	1976	1977	1978	1979	1980	1981	1982
	-- tons --							
Mixed fertilizer	160,400	173,728	183,616	152,109	160,171	161,361	160,943	162,047
DIRECT APPLICATION MATERIALS:								
Chemical nitrogen								
Anhydrous ammonia	764	215	149	156	164	210	315	431
Ammonium nitrate	7,600	4,424	520	2,575	3,004	3,360	3,243	3,228
Ammonium sulfate	1,941	230	37	25	303	16	481	348
Nitrogen solutions	4,978	6,257	4,710	3,771	4,945	5,860	7,495	9,283
Sodium nitrate	704	620	496	448	754	623	643	388
Urea	2,099	3,384	1,188	5,836	5,541	4,177	5,199	4,774
Aqua ammonia	1,370	804	1,978	1,267	1,315	1,802	1,629	2,244
Phosphates								
Superphosphates, 22 percent or under	211	314	218	46	45	164	1,085	52
Superphosphates, over 22 percent ...	3,011	1,100	1,234	926	1,481	1,359	778	676
Phosphate rock 1/	34	71	11	3	--	10	121	3
Ammonium phosphates 1/	385	301	1	416	64	228	86	288
Other	2,494	578	3,750	530	287	284	344	306
Potash								
Chloride, 50-62 percent	3,495	4,337	5,608	6,025	5,278	6,776	5,081	4,957
Other	279	356	391	289	612	788	390	328
Natural organics	13,258	6,881	5,383	6,584	10,508	8,611	8,477	7,456
Secondary nutrients	3,274	3,185	5,901	4,014	1,956	3,201	1,960	2,792
TOTAL MIXED FERTILIZER AND MATERIALS .	206,297	206,785	215,191	185,020	196,428	198,830	198,270	199,601
PRIMARY NUTRIENTS:								
N	24,609	25,289	24,586	23,225	25,025	24,983	26,649	26,774
Available P_2O_5	19,955	19,632	21,523	17,505	18,848	18,556	17,859	18,050
K_2O	19,803	21,292	23,170	20,987	22,011	22,818	21,054	21,755
TOTAL PRIMARY	64,367	66,212	69,279	61,718	65,884	66,357	65,562	66,579

1/ Includes collodial phosphate.

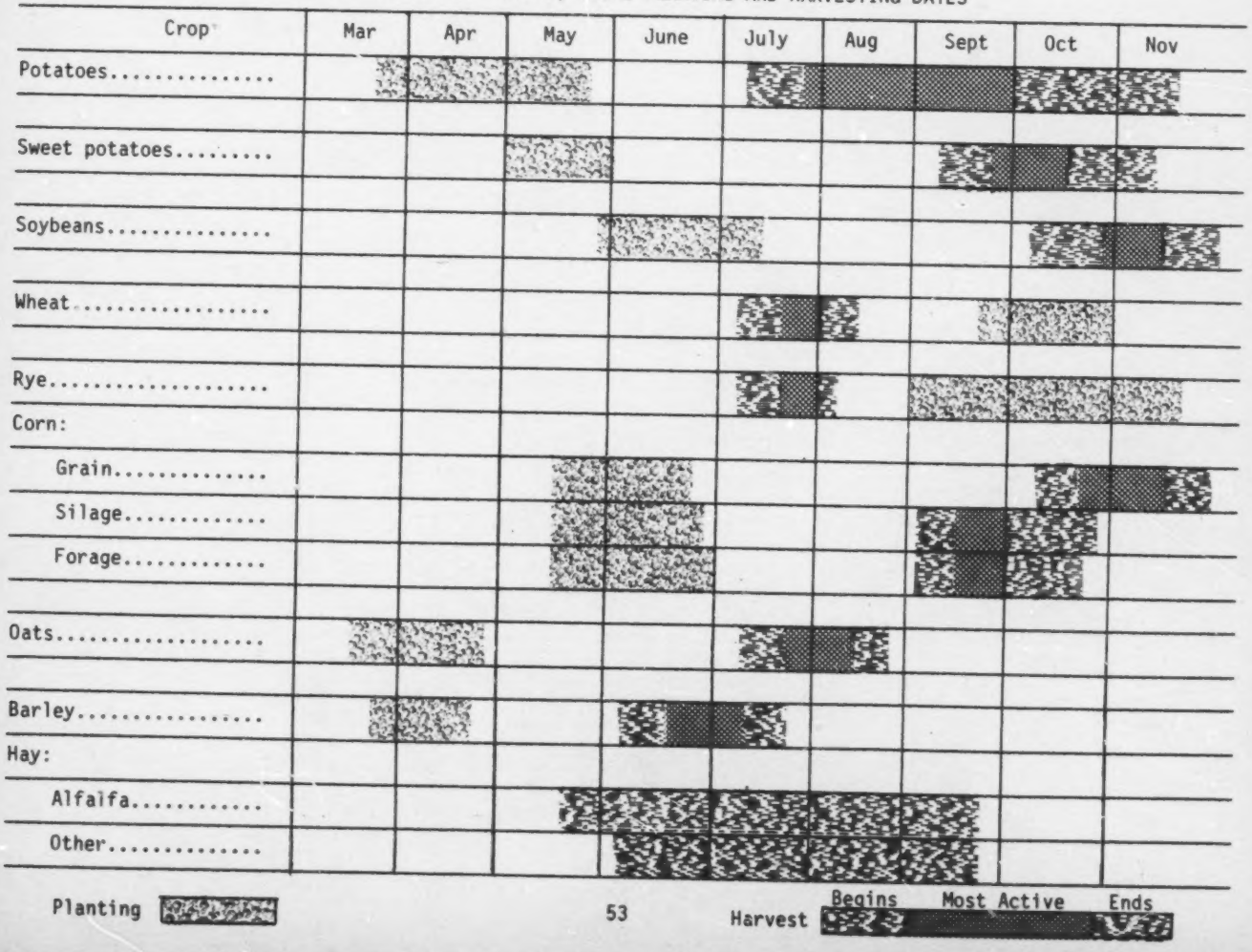
SOURCE: Compiled by SRS, USDA, through cooperation of NJDA, Division of Agricultural Chemistry and the fertilizer industry.

NEW JERSEY: VEGETABLES, FRUIT AND BERRIES, UNIT OF SALE, AVERAGE WEIGHT AND NUMBER OF PACKAGES USED IN CONVERTING TO CARLOT EQUIVALENTS

Crop	Unit of sale	Average weight per unit	Packages per carlot equivalent	
			In units	In hundredweight
		-- pounds --	-- number --	
Asparagus	Crate, 12 bunches	30	1,050	315
Beans, lima	Bushel	32	850	272
Beans, snap	Bushel	30	850	255
Beets, topped	Bushel	50	700	350
Broccolli	Crate, 12-14 bunches	21	900	189
Cabbage	Crate or sack	50	600	300
Carrots, topped	Bushel	50	1,000	500
Cauliflower	Crate	50	400	200
Celery	Crate, 3-4 dozen	60	600	360
Corn, sweet	Crate, 50 ears	42	725	305
Cucumbers	Bushel	48	700	336
Eggplant	1-1/9 bushel crate	33	750	248
Escarole, endive	1-1/9 bushel crate	28	850	238
Lettuce	Crate, 24 heads	43	825	355
Onions, dry	Sack	50	800	400
Peppers	Bushel	30	850	255
Spinach	Bushel	20	850	170
Tomatoes	Flat	30	2,000	400
Potatoes	Sack	100	500	500
Sweet potatoes	Bushel	50	600	300
Apples	Bushel or carton	44	900	396
Peaches	3/4 bushel or carton	38	900	342
Strawberries	Crate, 16 quarts	24	600	144
Blueberries	Crate, 12 pints	11	1,400	154

SOURCE: Fruit and Vegetable Market News Service, AMS, U.S. Department of Agriculture.

NEW JERSEY: FIELD CROPS, USUAL PLANTING AND HARVESTING DATES



REPORTS ISSUED BY THE N.J. CROP REPORTING SERVICE

Current estimates of many data items included in this publication are available from the New Jersey Crop Reporting Service at various times throughout the year. The table below indicates the months data are available. Current data may be obtained by calling the Crop Reporting Service. The six separate mailing lists are: (1) Farm Facts, (2) Weekly Weather Crop, (3) New Jersey Agricultural Statistics, (4) Farm Numbers, (5) Annual Vegetable Summary, (6) Fertilizer Report. Reports are available free of charge to farmers and agri-business firms who provide the basic data on which reports are based. Within availability constraints, a copy of New Jersey Agricultural Statistics is available to New Jersey residents without charge. An order form may be obtained by calling (609-292-6385) or writing the Crop Reporting Service.

REPORT	ANTICIPATED RELEASE DATE FROM TRENTON				
FIELD CROPS:					
CORN	Jan	June	Aug		
SOYBEANS	Jan	June	Aug		
WHEAT	May	June	July	Dec	
POTATOES	Jan	June	July	Aug	Sept
SWEET POTATOES	Jan	June	Aug	Sept	Oct
GRAIN STOCKS 1/	Jan	Apr	June	Oct	
FRUIT AND BERRIES:					
APPLES	Jan	July	Aug	Oct	
PEACHES	Jan	June	July	Aug	
BLUEBERRIES	July	Oct			
CRANBERRIES	Jan	Aug			
STRAWBERRIES	Apr	June	Sept		
VEGETABLES:					
SWEET CORN AND TOMATOES	July	Dec			
LETTUCE	Apr	July	Oct	Dec	
ONIONS	May	July	Aug	Dec	
PROCESSING VEGETABLES	Mar	June	Aug	Sept	Dec
WEEKLY DIGEST	WEEKLY: April Through October				
LIVESTOCK AND DAIRY:					
MILK PRODUCTION	Jan	Apr	July	Oct	
EGG PRODUCTION	January Through December				
LIVESTOCK SLAUGHTER	January Through December				
LIVESTOCK INVENTORIES	ANNUALLY: January and April				
COLD STORAGE	January Through December				
FARM PRICES AND INCOME:					
PRICES PAID AND RECEIVED BY FARMERS	Monthly				
CASH RECEIPTS AND FARM INCOME	September				
FERTILIZER	May and November				
MUSHROOMS	August				
NUMBER OF FARMS, LAND IN FARMS	August				
PLANTING INTENTIONS	April				
ANNUAL SUMMARIES: FIELD CROPS, FRUITS AND VEGETABLES	January				
NJ AGRICULTURAL STATISTICS (INCLUDES COUNTY DATA)	October				

1/ Fall soybean stocks reported separately in September and excluded from the October report for other grains.

HIGHLIGHTS OF THE 1982-83 ANNUAL REPORT

NEW JERSEY DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

Arthur R. Brown Jr, Secretary of Agriculture

William E. Kenny, Assistant Secretary

Arthur R. Brown, Jr. assumed the position of Secretary of Agriculture on July 1, 1982. Appointed by the State Board of Agriculture, he received the approval of Governor Thomas H. Kean in late June and took the oath of office on June 30, 1982. A former Atlantic County agricultural agent, Brown is a recognized leader in New Jersey agribusiness and is an accomplished innovator in the field of agricultural production.

STATE BOARD OF AGRICULTURE

The State Board of Agriculture is New Jersey's highest official agricultural body and is responsible for establishing policies for the New Jersey Department of Agriculture. Its eight members assign functions and duties to the various Department units and, through the Secretary of Agriculture, supervise and control department performance.

All board members are elected by the delegates to the annual State Agricultural Convention in January and are subsequently nominated to the board by the Governor. All members must be confirmed by the State Senate.

Roderick MacDougall, a Morris County horse breeder, was elected President of the State Board of Agriculture by its members in July 1982. Norman Schnetzer of Asbury (Warren County), a dairy farmer, and William Stoyko of Sewell (Gloucester County), vegetable grower, were sworn into four year terms at board ceremonies held in July 1982.

Anthony Russo, Jr. of Tabernacle, Burlington County and David Meirs of Cream Ridge, Monmouth County were elected to the 1983-84 board at the 1982 convention in January.

The Board held 12 meetings, adopted eight regulations, and approved the Department's budget request for the fiscal year 1983-84.

The other 1982-83 board members were:

John Villari, vice president, Wenonah, (Gloucester), swine breeder
Robert Dobbs, Voorhees, (Camden), grain, vegetable grower
Gary Mount, Princeton, (Mercer), fruit grower
Raymond Blew, Bridgeton, (Cumberland), nurseryman
Donald Pyle, Wall, (Monmouth), vegetable grower

Flanked by New Jersey agricultural leaders, Governor Kean proudly displays the enabling legislation for the Farmland Preservation Bond Act, which he signed at the State Agriculture Convention in January. Left to right, John U. Maple, Master, New Jersey State Grange; Secretary Brown; Governer Kean; State Board of Agriculture President Roderick MacDougall; former Cook College Dean Grant Walton and New Jersey Farm Bureau President Walter Ellis.

FARMERS WEEK

The 112th New Jersey Farmers Week was held from January 22-29, 1983. The week featured the State Agricultural Convention where Governor Thomas H. Kean enacted two bills -- the Agriculture Retention and Development Act and the Right to Farm Act -- that will serve as enabling legislation for the 1981 $50 million Farmland Preservation Bond Act.

The week's General Session highlighted "Agricultural Research: Modern Magic...From the Laboratory to Your Farm." Presented by the New Jersey Agricultural Experiment Station at Cook College, Rutgers University, the program featured discussions by college experts in biological and agricultural engineering, soils and crops, entomology and economic zoology, horticulture and forestry, biochemistry and microbiology and animal sciences.

The research program was one of nearly 30 events scheduled throughout Farmers Week when many of New Jersey's major agricultural organizations held official meetings and dinners.

TRESPASS AND VANDALISM

The delegates at the 1982 State Agricultural Convention called for a special committee to review farm vandalism and trespass -- considered a serious and growing problem in rural areas. In response, Governor Kean directed the Secretary of Agriculture to appoint such a committee which was convened on February 9, 1983. The committee's work has generated the introduction of five legislative measures to alleviate the problem.

AGRICULTURAL WATER

As part of the State Water Supply Management Plan, the Department of Environmental Protection proposed regulations for agricultural users. These regulations would apply to any farm using 100,000 gallons or more per day during its peak irrigation month.

The concerns of the farm community prompted Secretary Brown to meet several times with the Commissioner of the Department of Environmental Protection, Robert E. Hughey, on behalf of the state's farmers. The discussions led to a decision that the Department of Agriculture will manage the impending certifications and revised regulations.

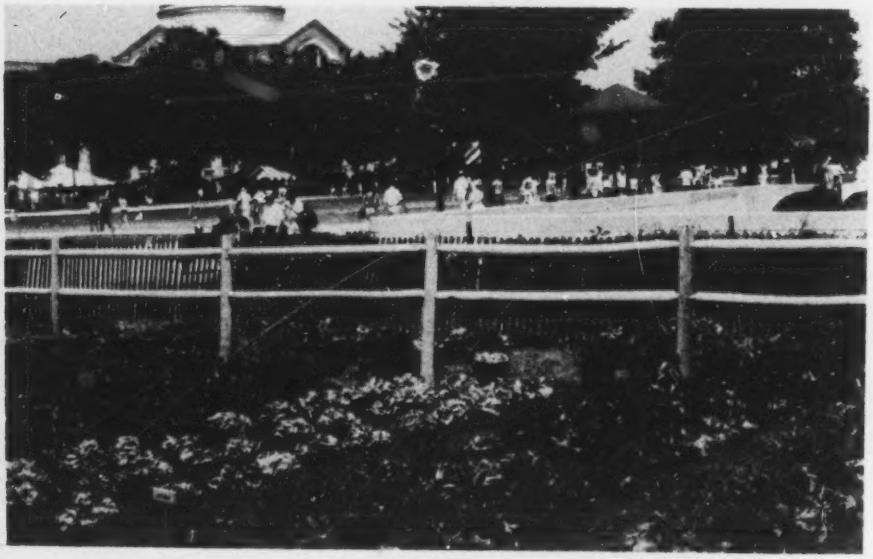
AGRICULTURAL DEVELOPMENT

The Agricultural Development program conducts a variety of activities to inform the non-farming public of the importance of agriculture to all 7.5 million New Jersey residents. Working with agricultural organizations, the program heightens awareness of agriculture's vital role in New Jersey's economy.

This year the annual agricultural tour for state legislators was conducted in Salem and Gloucester counties. Legislators spoke with farmers and learned of the problems and issues facing agriculture.

Other major information initiatives, done in cooperation with other agricultural organizations, included the Willard H. Allen Agricultural Communications Awards, the farm photo contest, a billboard campaign, public service radio announcements, newspaper advertisements, press releases and a quarterly newsletter.

For the seventh consecutive year, New Jersey's Century Farms -- farms which had remained in the same family for a minimum of 100 years -- were honored. Recognized this year were Joseph H. and Sylvia E. Taylor's farm in Cinnaminson, Burlington County, in their family since 1720, Franklin H. Moore's farm in Elmer, Salem County, dating to 1773 and John C. Jr. and Barbara D. Snook's farm in Augusta, Sussex County, founded in 1844.



The Department's exhibit of New Jersey produce, nursery stock and a brightly colored display of bedding plants arranged in the shape of the Garden State, was a major attraction at Festival New Jersey '83, sponsored by the Smithsonian Institution in Washington, D.C. in June.

PUBLIC INFORMATION

One fulltime public information officer is assigned to the Department from the Office of Public Communications, Department of the Treasury. Major information initiatives included New Jersey Farmers Week, the State Agricultural Convention, the New Jersey Marketing Institute and Agriculture Day in New Jersey. Department programs in farmland preservation, plant and pest disease control, animal disease surveillance and prevention, soil erosion and agricultural marketing were promoted extensively. A total of 116 press releases and editorials were issued during the fiscal year.

LEGISLATIVE SUMMARY

The following legislation of interest to New Jersey agriculture was enacted in Fiscal Year 1983:

Chapter 32, 1983, (S-867) -- The Agriculture Retention and Development Act.
Chapter 31, 1983, (S-854) -- The Right to Farm Act.
Chapter 160, 1983, (S-866) -- Brucellosis Indemnification Appropriation.
Chapter 179, 1983, (S-868) -- The Disposal Plant Act.
Chapter 216, 1982, (S-1410) -- The Milk Case Recovery Act.
Chapter 201, 1982, (S-1876) -- Garden State Racetrack Bill.
Chapter JR-8, 1982, (AJR-21) -- Coastal Bay Clam Resources Task Force.
Chapter 178, 1982, (A-664) -- The Food Bank Good Samaritan Act.
Chapter 72, 1982, (A-1126) -- Farmland Assessment Application Filed by Mail.
Chapter 176, 1982, (A-1855) -- New Jersey Wine Shipment Act.

VIOLATIONS

The Department's Office of Hearing and Administrative Practices collected $14,350 in penalties resulting from 206 violations of New Jersey egg, feed, fertilizer, lime and potato labeling laws.

New Jersey's soybean crop covered 170,000 acres and yielded more than 4.2 million bushels in 1982.

DIVISION OF ADMINISTRATION

Samuel Garrison, Director

The Division provides a variety of programs to support overall department operations including personnel services, budget and fiscal services, technical management and training support and other general services. This year,Governor Kean established a statewide Governor's Management Improvement Plan designed to streamline the programs and functions of government while increasing productivity. To support his effort,the Division provided coordination, staff support and technical assistance to the Department and to the Office of the Secretary. The Department's GMIP report identified areas of potential cost savings and program improvements.

PERSONNEL SERVICES

The Personnel Section serviced the Department's staff through Civil Service, union contracts and other state employment programs. As of June 30, 1983, the department employed 242 full-time and 167 part-time staff members. Special program emphasis was given to equal employment opportunity and affirmative action in hiring and upward mobility, job classifications and assignment, employee training and development and union contract administration. An extremely tight economic situation forced the department to abolish ten positions and to lay off four full-time and ten part-time employees.

BUDGET AND FISCAL SERVICES

The department had the following fiscal resources available for its programs:

SOURCE OF FUNDS	AMOUNT EXPECTED
General State Funds	$ 5,347,860
Revolving State Funds (Commodity Distribution)	2,651,360
Federal Funds	911,450
Promotion Tax and Racing Commission Funds (Commodity Councils and Equine Programs)	10,527,140
Miscellaneous Funds (Other Dedicated)	804,940
Total	$ 20,242,750

General state funding decreased slightly, but the growth of dedicated funds increased total available resources over previous years.

MANAGEMENT AND TRAINING SERVICES

This unit provides specialized data processing and word processing services and helps develop operating policies, procedures and training programs. Data processing applications were completed for programs in the Department's division's of Animal Health and Plant Industry and initial evaluations were made for future data processing applications for the Department's equine programs.

Staff training was given high priority through Civil Service, outside training and the Governor's Certified Public Manager Program.

The Word Processing Center provided a wide range of services from routine communications to complex directories and reports.

ADMINISTRATIVE SERVICES

Mail and messenger services, in-house duplication and printing, office supply, receiving, and delivery services were provided by this section. In addition, it supervised Central Motor Pool and coordinated facility repair and safety programs.

DIVISION OF ANIMAL HEALTH

Dr. Robert E Horton, Director

An extensive livestock disease control program and a veterinary diagnostic laboratory are the responsibilities of this Division.

LIVESTOCK DISEASE CONTROL

The disease control programs are as follows:

Tuberculosis -- More than 21,000 animals were tested for tuberculosis this year. New Jersey has been Accredited Bovine Tuberculosis-Free since April 1978. Veterinarians perform tests on commercial dairy herds every three years to maintain surveillance. Additional disease surveillance is provided by inspection of all slaughter cattle.

Brucellosis -- This disease which affects a cow's reproduction system, resurfaced in New Jersey several years ago and began spreading in early 1982. In response to a major outbreak in southern New Jersey, testing of all cattle in Salem County and adjacent communities in Gloucester and Cumberland counties was initiated in June 1983 to help control spread of the disease. More than 8,000 of an estimated 13,000 cattle in the area had been tested by late June. During the fiscal year, 499 animals were destroyed to stop spread of infection and more than $115,000 in state funds were paid to farmers for the condemned cattle. Testing and surveillance revealed that four new herds were affected this year but the 15 herds under quarantine for brucellosis in 1982 were released from quarantine. New regulations requiring calfhood vaccination for all breeding females between the ages of four and eight months and testing of cattle within 30 days prior to movement between herds were implemented in 1982-83 to reduce spread of infection. Calves vaccinated against brucellosis increased from 7,292 in 1982 to 9,824 in 1983.

Sheep Diseases - Scrapie was diagnosed in a Bergen County flock. The infected ram had originated from a previously infected flock. The infected flock was depopulated and three flocks in New Jersey and one in New York that received exposed animals were placed under surveillance for 42 months.

Swine Disease Control -- New Jersey's garbage cooking law requires that 50 farms licensed to feed plate waste to swine be maintained in a sanitary condition and that the garbage be properly heat-treated. More than 44,000 feeder pigs were imported into the state this year. All were quarantined for 30 days and inspected at least twice before being released. All swine transported intrastate were placed under quarantine to control such diseases as foot and mouth disease, hog cholera, African swine fever, vesicular exanthema and swine vesicular disease.

Hog Cholera -- New Jersey has remained Hog Cholera Free since 1976. A cooperative swine disease surveillance program is conducted jointly by the U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Veterinary Services and the Division. Under this program, 5,929 blood samples were collected at slaughter from New Jersey swine tested for hog cholera and African swine fever.

Swine Brucellosis -- The Division continued a Validated Brucellosis-free Herd program on a voluntary basis to assist breeders in maintaining disease-free herds. Forty-seven swine herds were validated brucellosis free. To qualify, all breeding swine in the herd over six months of age are tested each year.

Pseudorabies -- Breeding herds are tested to qualify as pseudorabies-negative herds. All breeding herds must pass one total herd test. Twenty-five percent of the herds are then tested quarterly to maintain Qualified Pseudorabies Negative Herd status.

Equine Diseases -- Eastern encephalitis was diagnosed as the cause of death of six horses in Atlantic, Salem and Gloucester counties. With the New Jersey Department of Health, the Division promotes vaccination of horses and surveillance to reduce concern over the possibility of human infection. There were 16,268 blood samples tested for equine infectious anemia with 18 samples registering positive. The Division brands all positive EIA horses and quarantines them to prevent spread of infection.

AUCTION MARKETS

Auction market veterinarians work to ensure that all animals passing through the markets are eligible for slaughter and that beef and dairy animals weighing more than 200 pounds are branded and sent to slaughter. More than 98,700 head of livestock passed through the four state-supervised auctions this fiscal year.

The Division licensed 54 cattle, sheep and swine dealers this year. Field veterinarians and inspectors check records of purchases and sales of dealers at least twice during the year. These records assist epidemiologists in tracing infected or exposed animals to the herds of origin.

DIVISION OF DAIRY INDUSTRY

Woodson W Moffett, Jr, Director

The Division of Dairy Industry is responsible for the administration and enforcement of four New Jersey statutes - the Milk Control Act, the Milk Dealer Bonding Act, the Butterfat Testing Law and the School Milk Purchase Act.

These statutes are designed to maintain an adequate supply of milk to New Jersey consumers at appropriate prices and to assure that farmers will be accurately paid for milk delivered to plants.

Nationally, milk production increased about two percent during fiscal 1982-83, but New Jersey's production increased less than one percent from the previous year. During 1982-83 New Jersey's 550 dairy farmers produced approximately 478 million pounds of milk with a market value of $67 million, unchanged from the previous year. New Jersey's dairy farmers produced about one-fourth of the 1.8 billion pounds of fluid milk used by New Jersey consumers.

CONSUMER MILK PRICES

Throughout fiscal year 1982-83 New Jersey's consumers enjoyed some of the lowest milk prices in the nation. These prices were made possible through aggressive enforcement of regulations prohibiting sales of milk below cost and the regulations prohibiting unfair trade practices.

As an aid to the enforcement of the regulation prohibiting sales of milk below cost, the Division uses cost guidelines for the industry. These guidelines have been generally accepted but were challenged this year by a small store operator in Hunterdon County. During the year the court directed the operator to comply with the regulation, pending the filing of proof of cost. The proofs of cost submitted by the licensee were unacceptable and action has been initiated to revoke the store's license. At the close of the fiscal year the matter was pending hearing by an administrative law judge.

PRODUCER MILK PRICE ORDERS

A major part of the New Jersey Milk Control Program consists of the Department's joint enforcement under a memorandum agreement of federal/state regulations which control minimum prices paid to dairy farmers under Federal Order No. 2 (North Jersey) and Federal Order No. 4 (South Jersey).

No major changes were made during 1982-83 fiscal year but requests to add certain northeastern Pennsylvania counties to both Orders 2 and 4 were submitted and a hearing on the issue was announced.

To ensure accurate payment to dairy farmers, the Division continued its butterfat check-testing program and the bonding of all milk dealers buying directly from New Jersey farmers. There were 12,246 butterfat tests conducted this year.

LICENSING AND ENFORCEMENT

Division personnel processed 10,795 license applications and held 89 hearings on alleged violations. The licensing and enforcement activities generated income of $177,388. Also, during the year, Division personnel continued to publish statistical information on milk production and sales.

SCHOOL MILK PURCHASE ACT

The School Milk Purchase Act requires that, as a condition to the purchase of fresh milk, school boards must obtain an agreement from the successful bidder that he will purchase New Jersey produced milk to supply the contract and requires that a copy of the agreement be filed with the Secretary of Agriculture. Enforcement activity was discontinued because of budget cutbacks and loss of two positions.

LEGISLATION

Senate Bill 3131 which amends the Milk Control Act to revise definitions to reflect structural changes in the industry and to increase license fees, passed the Senate during late June without a dissenting vote. It did not clear the Assembly before the end of the fiscal year but prospect for passage is good. The license fee increase will make the Milk Control Act enforcement completely self-supporting.

DIVISION OF MARKETS

John J. Repko, Director

The Division conducts a variety of programs designed to assist New Jersey farmers in effectively marketing their products. It also promotes the state's equine industry through breeder incentive awards and publicity and coordinates distribution of federal surplus and school lunch commodities.

MARKET EXPANSION

The Market Expansion staff participated in a successful 1982 Food Communicator Tour at the Wescott Dairy Farm and Johanna Farms dairy processing facility in Hunterdon County in June, 1982. More than 100 food editors and writers attended the tour which highlighted the state's dairy industry.

Other major agricultural promotions planned and executed by staff included - a three-day New Jersey Country Festival at the Monmouth Mall, Eatontown, the New Jersey Apple Industry Council's promotion at the Medford Historical Society, Apple Festival at Kirby's Mill, Medford, extensive sweet potato and white potato promotions and several shopping mall events throughout the state. In addition, exhibits were featured at the New Jersey Monthly Magazine's press event at the Stadium Club in the Meadowlands and at the New Jersey State Fair at Great Adventure in Jackson Township.

Plans were made to develop a promotion program to encourage New Jersey food retailing chains to feature more Garden State agricultural products during the state's growing season. Secretary of Agriculture Brown contacted all major food chain executives in our market area seeking their support. Cooperation from the stores is anticipated.

Secretary Brown, Kings Super Markets President Bob Schwartz and Peg Maier of Pine Brook (Morris County) visit the market's display of New Jersey lettuce at Kings' "Made in New Jersey" promotion in June.

MARKET FACILITIES

The coordinator assisted the federal Department of Agriculture in conducting a survey in southern New Jersey to determine the feasibility of locating a food distribution center in the Camden County area. Staff also worked with groups interested in establishing a food center in northern New Jersey.

The division worked with the Office of the Secretary, the U.S. Department of Defense and other government officials to ensure the Defense department's continued purchase of New Jersey lettuce for use at military installations in the U.S. and overseas.

New Jersey food firms were solicited to participate in the National Food and Agriculture Exposition in Atlanta in May, 1983. Ten Garden state firms participated and over 1,000 foreign buyers attended.

Staff assisted with attempts to avert a closing of the Hunt-Wesson tomato processing plant in Bridgeton. A corporate decision to shut down was reached in the fall of 1982. A study determined that the plant could not be renovated. A subsequent meeting of farmers, processor representatives and Bridgeton City officials focused on the possibility of developing a new processing facility as an outlet for this group of farmers. A feasibility study by the USDA's Farmer Cooperative Service on this concept got underway during the year.

MARKET NEWS

More than 35,000 Market News calls were received on telephone tape announcers. There were 145,000 printed reports with price and supply information on fruits and vegetables mailed during the summer and semi-weekly in the winter.

BUREAU OF COOPERATIVE SERVICES

The section assisted the state's 58 agricultural cooperative associations with incorporation procedures, organizations, mergers, changes in bylaws and dissolution of inactive associations. Supervision is given for filing the various annual cooperative association reports and fees with the Secretary of Agriculture as required by the state Agricultural Cooperative Associations Act.

FOOD DISTRIBUTION SECTION

The Governor's Office assigned the section the responsibility of supervising the federal dairy surplus commodity distribution to New Jersey's needy residents. In cooperation with the New Jersey National Guard and the state Department of Human Services, volunteer agencies throughout the state were able to distribute 8.5 million pounds of processed American Cheese and butter to 580,000 needy families in 1982-83.

In addition, the section distributed more than 38 million pounds of USDA commodities, valued at more than $24 million to more than 900 schools, institutions, summer camps and summer feeding programs throughout the state. More than 507,000 school children shared in the consumption of this food each day.

EQUINE INDUSTRY

The Sire Stakes pari-mutuel purses were announced at $7.1 million for the 1983 year, making it one of the largest programs in the U.S. The Sire Stakes Fair Program reached an unprecedented milestone when the purses exceeded the $1 million mark. This is the first fair Sire Stakes program in North America ever to reach that amount. The Board of Trustees raised the fair final purses from $12,000 to $20,000 per division. Finals were held at Showplace Farm in September and the program was broadcast live on New Jersey public television stations. The program was videotaped and later broadcast on all public television stations in North America on the "Sports America" series.

The Annual New Jersey Bred All Breed Horse Show, managed and coordinated by Division equine staff, was held in June at Thompson Park, Jamesburg. Over 600 horses competed for cash awards and points to be credited to the year-end breeder awards.

The 26th Annual New Jersey Equine Board Awards Dinner, Horse Seminar, and Equestrian Contest was held at the Capitol Plaza Hotel, Trenton. The day-long event attracted capacity crowds. More than $63,921 in non-racing breeding awards were distributed to approximately 200 owners of New Jersey-bred horses.

An American Saddlebred - one of 15 breeds competing for New Jersey Department of Agriculture year-end breeder awards.

DIVISION OF PLANT INDUSTRY

William W. Metterhouse, Director

The Division of Plant Industry inspects and monitors plant diseases, conducts nursery and apiary inspections throughout the state and maintains a seed surveillance and certification program under the New Jersey Seed Certification Act. In addition, the Division supervises the spray treatment of gypsy moth infestations, provides diagnostic services, inspects vegetable transplants and directs the Department's integrated pest management program which combines chemical and biological pest controls to limit pest populations.

BIOLOGICAL CONTROL PROGRAMS

The Division maintains two laboratories devoted, in large part, to beneficial insect rearing. Parasitic wasps and other insects, imported from their native countries, are bred in the laboratories and subsequently released in a controlled manner into the New Jersey environment to help control destructive farm and garden pests. Pests, such as, the Colorado potato beetle, the Mexican bean beetle and the gypsy moth, imported into the state either in shipping or by man would proliferate without the use of their native parasites and predators.

During the year 300,000 of these gypsy moth parasites were reared and released: Glyptapanteles flavicoxis (Apanteles flavicoxis) 163,100; Brachymeria intermedia 36,000 and Hyposoter lymantriae 2,100. Both G. flavicoxis and B. intermedia were utilized in augmentative studies. Hyposoter lymantriae, a new parasite from India, was released for the first time in New Jersey.

The Division continued its cooperative agreement with the U.S. Animal and Plant Health Inspection Service to produce and release Mexican Bean Beetle parasites in 159 nurse plots. This was part of a regional program with Delaware, Maryland and Virginia.

The corn borer parasite, Lydella thompsoni, a tachinid, was reestablished in two counties for the first time in 40 years. Surveys in past years had failed to recover this parasite. Parasites reintroduced four years ago are responsible for the present establishment.

The seed weevil, Rhinocyllus conicus, a thistle predator, released in previous years was established in 38 sites in seven counties.

During May and June, collections of cereal leaf beetle larvae were made from previous parasite release sites to monitor the establishment and effectiveness of released parasite species. Sixty-three sites were sampled in 14 counties.

The monitoring of alfalfa weevil populations continued in an effort to determine the efficacy of weevil parasites. Thirty-nine fields in 13 counties were surveyed. Parasitism evaluation revealed 34.5 percent were parasitized by Batyplectes anurus and .6 percent by B. curculionis. During the past year 50,000 egg parasites of the Colorado beetle (Edovum puttleri) were laboratory-reared and released in c operation with Rutgers University experiment station. Field evaluations of one pilot plot revealed 90 percent parasitism of the potato beetle egg masses. The ladybird beetle, Stethorus punctum, a native species which feeds on plant-pest mites in orchards, was successfully cultured in the laboratory.

The construction of the new 21,000 square-foot Beneficial Insect Laboratory began. Completion is scheduled for March, 1984.

The Division of Plant Industry maintains a greenhouse to cultivate plants for use in the Division's Integrated Pest Management Program. The program combines biological and chemical controls to combat New Jersey's farm pests and the plants serve as food for some of the state's most voracious insects. These plants are cultivated as food for the Mexican Bean Beetle.

BUREAU OF ENTOMOLOGY

The bureau annually inspects all plant nurseries and dealer premises in the state for harmful insects, operates a blueberry certification program to eliminate diseases, inspects honeybee colonies for signs of infection and supervises treatment of residential and county recreational lands to suppress the gypsy moth. A total of 80,000 acres in 88 municipalities accepted the Division's gypsy moth spray recommendation and treated with one of three insecticides (Sevin, Dylox or Bacillus thuringiensis). The Division's policy of combining biological and chemical controls in an integrated pest management system is having a major impact on gypsy moth levels in northern New Jersey. After years of major infestations, the gypsy moth has finally declined in that region and the need for aerial spraying has been reduced.

BUREAU OF SEED CONTROL

Five-hundred-thirty seed inspections were made during calendar year 1982. Three-point-two percent of the seed being offered was in violation of the New Jersey Seed Law and was removed from sale or put on "stop sale". Laboratory tests showed 51 additional samples, 3.9 percent, were mislabeled. Combined with obviously mislabeled samples, 7.6 percent of the seed offered for sale in New Jersey was in violation.

SEED CERTIFICATION

The Bureau of Seed Certification inspected 7,485 acres of field crops, vegetables and sod -- an increase of 1,144 acres over the previous year. Wheat and sod acreage increased and for the first time no field corn seed was certified.

The tissue culture laboratory has phased out asparagus culturing and has initiated production of blueberry plants. Improved blueberry varieties released by the U.S. Department of Agriculture will be multiplied and distributed to blueberry farmers at a faster rate.

APIARY INSPECTION

During the 1982 season, 1,373 apiaries were visited and 15,628 colonies were inspected or surveyed. Of these, 122 colonies in 52 apiaries were infected with American foul brood and 119 colonies in 29 apiaries were infected with European foul brood.

The apiarist and two senior bee inspectors distributed more than 1,000 pollen traps during the 1982 Cooperative Gypsy Moth Suppression Program in New Jersey.

BUREAU OF PLANT PATHOLOGY

Cyst Nematodes - Although negative results were obtained in the survey work for detection of golden nematodes and soybean cyst and corn cyst nematodes work continued on surveying for the soybean and corn cyst nematodes. Surveys for golden nematodes were temporarily eliminated.

Six counties and 91 fields were sampled in the state survey. Although no corn cyst (Heterodera zeae) was found, cysts of both knotweed (Cactodera weissi) and clover cyst (Heterodera trifolii) repeatedly turn up.

Completion of a relocated and improved state facility for cyst nematode detection survey soil sample processing in central New Jersey increased the rate of processing and examination of the soil samples collected.

Khapra Beetle - In February 1983 USDA Plant Protection and Quarantine inspectors found khapra beetle infestation in a Jersey City imported gum warehouse. Another khapra beetle detection was made in March 1983 in an Elizabeth building. Staff cooperated with the USDA in planning for and in conducting fumigation procedures.

Mediterranean Fruit Fly - Negative results for Mediterranean Fruit Fly were obtained during the 1982 season using a pheromone trap detection survey in peach orchards in southern and central counties from June through September 1982.

IMPORTED VEGETABLE TRANSPLANT INSPECTION

Inspections of samples representing approximately 84,308,000 imported vegetable transplants were made between March 22, 1982 and June 2, 1982. For the second consecutive year, disease was almost completely absent from transplants received in New Jersey from the South due to dry weather conditions.

Except for the destruction of one early lot of cabbage plants because of wire stem disease, no plants were rejected during the season because of disease.

COOPERATIVE NATIONAL PLANT PEST SURVEY AND DETECTION PROGRAM

USDA funding was granted for our participation as a "pilot state" in the Cooperative National Plant Pest Survey and Detection Program.

By August 1982 the survey data files were being electronically transmitted from the New Jersey microcomputer system to the Fort Collins Computer Center.

DIVISION OF REGULATORY SERVICES

Robert C. Fringer, Director

The Division of Regulatory Services enforces laws regarding registration, labeling and analyses of animal feed, fertilizers and liming materials, controlled atmosphere storage of apples and the licensing and bonding of dealers, agents and brokers of perishable agricultural commodities. Laws relating to advertising, condition and grade of eggs and white potatoes for sale in New Jersey also are enforced. The Division manages self-supporting inspection and grading programs for fruits and vegetables, eggs, egg products and poultry. Each program is administered in cooperation with the United States Department of Agriculture.

BUREAU OF COMMODITY INSPECTION AND GRADING

Inspected and certified during the year were 16,546 lots of eggs. Grading included 19,592,539 dozens of eggs, 33,333,722 pounds of turkey, 121,338,830 pounds of chicken and 8,066 pounds of ducks. The processing of 101,895,468 pounds of egg products was performed under the supervision of federally licensed New Jersey Agricultural Products Agents.

Agricultural Products Agents made 557 unannounced visits to registered egg handlers under the Federal Egg Products Inspection Act. Visits resulted in the removal of 30,071 dozens of eggs from marketing channels because of failure to conform to required standards. To enforce the department's egg marketing law, eggs were weighed and inspected to determine that established standards were being met for the grade and size weight class which appear on the packing unit. The program cost New Jersey residents 2.23¢ per person during fiscal year 1983. Penalties totaling $9,300 went into the General Treasury and partially offset program costs. During the year 16,546 lots of eggs were inspected at different levels in the egg distribution chain from the production source to the retail store. Violations were found in 188 lots of eggs. Penalty action was taken for 154 violations and warning letters were sent to 34 violators.

At shipping point, a total of 34,882,000 pounds of fruit and vegetables was inspected and certified. This represents a 26 percent decrease from 1982, due chiefly to the reduced demand from Canada. Processing inspections for grade were performed on 210,679,000 pounds of various produce commodities, an eight percent increase over 1982.

Eight controlled atmosphere storage facilities, which maintain proper temperature and oxygen levels defined by department regulations for the storage of apples, contained 264,057 bushel equivalents, a 30 percent increase over 1982. Inspections were made on 3,744 lots of potatoes to enforce the New Jersey Potato Labeling Law with 44 violations issued. One percent ot the potato lots inspected were in violation.

BUREAU OF AGRICULTURAL CHEMISTRY

Division chemists continued their activity with the Association of Analytical Chemists collaborative studies. The division chemistry staff continue to survey polychlorinated biphenyls PCBs and aflatoxins in various animal feeds and feed ingredients. All levels of PCBs and aflatoxin concentrations found have been less than Food and Drug Administration allowable tolerances. Agricultural Products Agents examined 6,154 lots of commercial feeds, fertilizer and liming materials and other agricultural commodities. Of 1,093 commercial feed samples analyzed, 7 percent were found in violation. Twenty percent of 952 fertilizer samples and 10 percent of 103 liming material samples collected for analysis were in violation.

BUREAU OF LICENSING AND BONDING

During the year, 556 firms dealing in animal feeds, fertilizers and liming materials registered with the Division. Licenses were issued to 225 produce dealers, 30 egg dealers, five poultry dealers and 55 hay, grain and straw dealers. Other licenses totaled 573. License fees, registration, tonnage inspection fees and penalties totaled $162,899. A verified claim for $4,500 was processed and settled by the Division staff. Six complaints from farmers regarding dealer payments resulted in final payments for product delivered.

DIVISION OF RURAL RESOURCES

Richard D. Chumney, Director

NATURAL RESOURCE CONSERVATION AND DEVELOPMENT

Soil and water conservation and development programs were continued by the State Soil Conservation Committee and the 16 local conservation districts. In cooperation with the U.S. Soil Conservation Service and other United States Department of Agriculture resource agencies, technical and financial assistance was provided to landowners to control soil erosion, water management and nonpoint source pollution problems.

In the agricultural sector, conservation plans were developed for more than 38,000 acres bringing total planned acreage to 587,000 with 115 new landowners entering into cooperative agreements during the year. Approximately 92,000 acres of cropland benefited from some type of conservation assistance, with 6 ,500 acres adequately protected and 47,000 acres adequately treated. Practices installed included terraces, iversions, windbreaks and irrigation systems. Conservation tillage was utilized on 51,000 acres with 3 ,600 acres actually planted under no-till methods.

Under the provisions of the Soil Erosion and Sediment Control Act of 1975, all major land development activities are required to utilize conservation methods to control soil erosion and sedimentation. During the year, nearly 2,200 project plans were submitted for review to local districts with more than 2,000 certified as adequate. Thirty-five plans were certified with conditions, denials were issued to 50 plans and several were found incomplete. Reports of compliance were issued on 1,400 completed projects with more than 25,000 site inspections performed. Performance inspections were made in each of the 84 municipalities responsible for this program. Additional engineering assistance was provided by a U.S. Soil Conservation Service engineer on loan to the State Committee through an Inter-agency Personnel Agreement (IPA).

Several projects were approved for construction in the two authorized Resource Conservation and Development Areas including development of Bridgeton Park in Cumberland County and Turnmill Pond in Ocean County. Funding was approved for tidegate reconstruction in the Middleneck Watershed and planning was initiated for land treatment for pollution control in the Navesink Watershed in Monmouth County. The State Committee appointed 27 local residents to 3-year terms as supervisor members of the 16 district governing bodies.

RURAL RESOURCE SERVICES

The enactment of the Right to Farm and Agriculture Retention and Development Acts which implement the 1981 Farmland Preservation Bond Act, launched the state's program of development easement purchase and soil and water conservation project cost-sharing to help retain New Jersey's agriculture and its valuable farmland. The Division developed and disseminated technical information on the legislation and assisted county governments in establishing their local farmland retention programs.

Rural Advisory Council studies on agricultural land sales and other economic and policy issues continued and research on the farmland rental market in New Jersey was completed. A cooperative effort with the State Department of Environmental Protection on the long-term leasing of state-owned farmland was developed.

Throughout the year, issues dealing with the pinelands, rural trespass/vandalism, right-to-farm, farmland assessment, agricultural policy and related matters required the technical assistance of the staff.

RURAL DEVELOPMENT SERVICES

Staff assisted farmers, agribusiness and cooperatives in obtaining economic support for maintaining and expanding agricultural enterprises. The Division initiated and is coordinating a major study on farm electric demand to provide an equitable tariff to agricultural users.

Assistance was provided to the Federal Crop Insurance Program staff in improving the service and scope of New Jersey operations. In addition the Division offered staff assistance to the following projects and initiatives: a feasability study of a proposed tomato grower's cooperative in southern New Jersey, aid to a commercial egg producer considering setting up a facility in the state, assistance in siting and constructing the state's first poultry methane digestion and electric generation on-farm unit and aid in investigating the possibility of establishing an agricultural export facility.

FISH AND SEAFOOD DEVELOPMENT

Through this Division, the Department helps direct a major program to develop the state's fish and seafood industry. A promotional program featuring a New Jersey seafood logo, television appearances, seafood festivals and other media forums was launched to help heighten awareness of the importance of the industry to our economy and our citizens.

CROP REPORTING SERVICES

During 1982, the New Jersey Crop Reporting Service conducted 162 statistical surveys. Those surveys were the base for official estimates of crops, livestock, poultry, dairy, prices, labor and related agricultural items. There were 353 statistical reports submitted to headquarters and 53 publications were released which distributed official estimates to the public. During 1982, the New Jersey Crop Reporting Service responded to 1,876 requests for its data. Users of our data include farm organizations and trade groups, university economists, railroads and transportation services, warehouse and storage companies, insurance and credit organizations, banks, farm writers and broadcasters, members of Congress formulating farm programs, processors, dealers and commodity buyers.

Secretary Brown presented Governor Kean with a box of one of the Garden State's most celebrated farm commodities at the Governor's Office in Trenton at the height of the state's harvest.

BUREAUS, SERVICES, AND SECTIONS
NEW JERSEY DEPARTMENT OF AGRICULTURE

Area Code 609

OFFICE OF THE SECRETARY - 292-3976
Public Information - 292-8896
Agricultural Development - 292-8897
Hearings and Administrative Practices - 292-5530

DIVISION OF ADMINISTRATION - 292-6931
Personnel Services - 292-5517
Budget and Fiscal Services - 292-7738
Management and Training Services - 292-8825
Administrative Services - 292-5674

DIVISION OF ANIMAL HEALTH - 292-3965
Livestock Disease Control - 292-3965
Diagnostic Laboratory Services - 984-2250

DIVISION OF DAIRY INDUSTRY - 292-5646
Bureau of Licensing and Enforcement - 292-7628
Dairy Industry Auditing - 984-2512
Consumer Milk Prices - 292-5646

DIVISION OF MARKETS - 292-5536
Market Expansion Section - 292-8853
Market Facilities - 292-5565
Market News Section - 292-5565
Bureau of Cooperative Services - 984-4385
Food Distribution Section - 292-5068
Equine Programs Section - 292-8830

DIVISION OF PLANT INDUSTRY - 292-5441
Biological Control Programs - 292-5441
Bureau of Entomology - 292-5440
Bureau of Plant Pathology - 292-5440
Bureau of Seed Certification - 292-6075
Bureau of Seed Control - 292-5443

DIVISION OF REGULATORY SERVICES - 292-5575
Bureau of Agricultural Chemistry - 984-2222
Bureau of Licensing and Bonding - 292-5577
Bureau of Commodity Inspection and Grading - 292-5556

DIVISION OF RURAL RESOURCES - 292-5532
Natural Resource Conservation and Development - 292-5540
Rural Resource Services - 292-8895
Rural Development Services - 292-8895
Fish and Seafood Industry Development - 984-6757
Crop Reporting Service - 292-6385